

METHODOLOGICAL INVESTIGATION TO DETERMINE  
MORE EFFICIENT PROCEDURES FOR DEFINING  
AND ENUMERATING FARM OPERATORS

by

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Objective of the Study: This methodological investigation was undertaken to improve area frame estimates of number of farms and characteristics associated with the entire farm. To be somewhat more specific, the objectives of the survey were -

1. To better determine farm operators, both by definition and questionnaire design.
2. Attempt to explain a major portion of the difference between the open and closed cattle estimates in the enumerative survey.
3. To improve the level of farm labor estimates from the enumerative survey.
4. To gain an insight in how one might sample the area frame to obtain data for firms servicing agriculture (agricultural services).

Background: Under current procedures the area frame is basically divided into two types of land area--open country and non-open country. In states utilizing the area frame based on land-use classification, the non-open country or city stratum has only limited agriculture within the stratum, while in states utilizing the Master Sample frame, somewhat more but still limited amounts of agricultural activity occur within the stratum. In all states sampling rates for the non-open country stratum are quite low, generally ranging from five to fifteen segments per state.

SRS enumeration procedures for non-open country segments are at best only a token attempt to obtain data. In states where substantial numbers of farm operators live within the non-open country stratum, the sampling rate would have to be increased appreciably to adequately represent this sector of agriculture for estimates of farm numbers and characteristics associated with the entire farm. Also, operational procedures for insuring proper enumeration

would have to be refined. This would be quite costly and thus statistically inefficient, particularly for state estimates.

For some time it has been apparent that current area sampling procedures for defining and enumerating resident farm operators are not adequate in states where there is a significant proportion of non-resident farm operators, and particularly so in areas where relatively large numbers of farm operators live in the non-open country (NOC) or city stratum of the area frame. The problem was high-lighted in California and Florida where estimates from the June 1967 Enumerative Survey for number of farms were substantially below current estimated levels. Results from the list sample used for farm labor in June 1967 support the premise that estimates from the area sample for numbers of farms and for characteristics associated with the entire farm, such as number of hired workers, were at unreasonably low levels for both California and Florida. Also, with farm tenure becoming quite complex, the enumerator can no longer be allowed the degree of freedom in defining the farm operator that he currently enjoys, particularly with the advent of multiple-frame sampling and its associated problems of overlap definition.

Currently the enumerator is merely instructed by a short statement in the manual that the operator is the "man who makes the day to day decisions." From this point the enumerator must determine the operator's identity and complete the questionnaire with no documentation as to whether the person interviewed actually qualifies as the operator.

Areas Selected and Their Characteristics: Since the problem which the study was designed to answer occurs in states that are highly populated, have large numbers of farm operators who live in the city, and a great deal of specialization, California and Florida were selected as states in which the study was

to be conducted. Both California and Florida were contacted and asked to recommend an area within the state in which to conduct the investigation. Desirable characteristics of the areas to be selected were outlined as follows:

1. A high proportion of the farm operators residing in cities.
2. Estimated number of farms from the June Enumerative Survey substantially below the expected level.
3. Sizeable difference between the open and closed estimates for cattle.
4. Number of hired workers substantially below the expected level.

As a result, California, in collaboration with Washington personnel, recommended June Survey districts 15 and 17, which can be referred to as the San Francisco Bay area. Florida recommended districts 30 and 74, which lie just south of Orlando. Both areas are shown on the outline maps in the Appendix.

Characteristics of the areas selected for conduct of this study are shown in the tables below.

State and County	1964 Census of Agriculture							
	No. : : Farms	No. : : farms	All : : cattle	:No.milk: : cow : : farms	No. : : milk : : cows	: Land in : : farms	:Residence: :on farm : :operated	:Regula: :worker : : 1/
<b>CALIFORNIA</b>								
Alameda	: 908	364	37,056	53	2,156	309,843	660	2,664
Contra Costa	:1,340	323	59,659	265	19,320	303,399	1,052	920
Marin	: 289	218	39,875	145	20,814	172,886	249	350
San Benito	: 652	269	49,876	229	18,728	779,007	527	780
Santa Clara	:2,632	473	51,568	355	24,141	458,403	2,041	3,440
Santa Cruz	: 822	212	8,980	146	3,424	103,572	635	3,380
San Mateo	: 336	107	8,735	91	4,498	83,273	206	1,070
<b>Total</b>	<b>:6,979</b>	<b>1,966</b>	<b>255,749</b>	<b>1,284</b>	<b>93,081</b>	<b>2,210,383</b>	<b>5,370</b>	<b>12,630</b>
<b>FLORIDA</b>								
Hillsboro	:3,398	1,146	94,942	250	17,875	769,246	2,630	2,590
Osceola	: 428	220	98,578	33	1,311	769,857	302	340
Polk	:2,944	797	108,203	108	6,375	1,070,390	284	3,990
<b>Total</b>	<b>:6,770</b>	<b>2,163</b>	<b>301,723</b>	<b>391</b>	<b>25,561</b>	<b>2,609,493</b>	<b>3,216</b>	<b>7,930</b>

1/ AS OF December 1964.

State and County	Number of workers		SSO county estimates all cattle Jan. 1, 1966
	State Dept. of Employment		
	April 1966	May 1966	
CALIFORNIA			
Alameda	2,747	3,097	40,000
Contra Costa	2,324	2,337	50,000
Marin	361	357	51,000
San Benito	2,197	2,382	70,000
Santa Clara	5,944	7,247	68,000
Santa Cruz	2,443	3,952	11,000
San Mateo	1,664	720	10,000
Total	17,680	20,092	300,000

Survey item	June 1967		December 1967		June 1968	
	California	Florida	California	Florida	California	Florida
	Number of farms	2,644	4,310			3,480
All land in farms	2,002,699	701,097			1,506,909	3,354,840
All land	2,990,142	2,414,271			3,292,909	2,365,880
Hired workers	4,581	1,476			2,664	1,390
All cattle (open)	336,653	135,676	187,000	100,000 <sup>1/</sup>	270,509	176,550
All cattle (closed)	254,183	203,996	281,000	134,000 <sup>1/</sup>	309,643	159,220

<sup>1/</sup> Excludes 4 segments in the Ag-Urban stratum, which is a State-wide stratum.

The areas selected in California and Florida have most of the desirable characteristics previously listed and outlined to the states. The situation in the states selected is emphasized by estimates of numbers of hired workers from the 1967 June Survey.

Frame <sup>1/</sup>	California	Florida
1	93,180	18,850
2	13,029	9,301
3	80,151	9,548
4	188,581	30,974

<sup>1/</sup> Frame 1 is the entire area frame. Frame 2 is the non-overlap domain from the area frame. Frame 3 is the domain of overlap from the area frame, and Frame 4 is the list frame, which theoretically covers the same population as Frame 3.

Comparison of frames 3 and 4 for both Florida and California, which are conceptually estimating the same universe, illustrate that the area frame overlap was substantially less than list frame overlap estimates.

Description of Survey and Detailed Procedures: Two small scale investigations of 50 segments each were set up in California and Florida. The sample size was comparable to the regular June Survey.

State	District	Number samples	
		June	Special April Survey
California	15	26	28
	71	20	22
Florida	30	20	23
	74	20	22
	Ag-Urban	4	5

The survey week was March 24 to 30. State training schools were held on March 28 and 29, and the survey field work began on April 1. The 50 new segments were selected and enumerated using current procedures, with the following exceptions:

1. A special version of the June Part A questionnaire containing sections on land operated, tract and entire farm cattle inventory numbers, number of working operators, unpaid family members, and hired workers was used to obtain the following:
  - a. Data for the entire farm regardless of where located, when the operator's residence was in the segment.
  - b. Data for the portion of the entire farm falling within the selected area of study, when the operator's residence was in the segment.
  - c. Data for the tract only.
  - d. Questions to determine the name of the operator and approximate location of his residence.

2. Operators of non-resident tracts residing in the non-open country or city stratum were enumerated as resident farm operators to obtain the same data indicated in 1 above.

For the purposes of this study the NOC or city stratum was confined to that state only. Should this procedure be adopted for the entire enumerative survey, it means that the NOC or city stratum would need to be considered nationwide.

For tracts with operators residing in the NOC or city stratum, data for the entire operation was pro-rated to the segment proportional to the amount of land operated within the segment and used in an adjusted open segment expansion. In most literature this is referred to as the weighted segment approach when used for all sample tracts. Current enumeration procedures were used for operators of non-resident tracts who lived outside the city stratum.

The Questionnaire: It is the usual procedure to have two questionnaires--one for a resident farm operator and another for a non-resident farm operator. The questionnaire for this study differed in that both resident and non-resident tract operators used the same questionnaire. The questionnaire consisted of seven sections. Sections A and B were basically set up to help the enumerator determine identity of the operator, identify the operating unit, and determine if the operation was a farm. Section A was used for a tract which had a non-resident operator and Section B for a tract which had a resident operator. The questionnaire went to greater lengths than usual in defining the operation. For an individual or partnership, the house in which the individual or the senior (in terms of age) partner lived, determined if the operator was a resident or non-resident. In the case of a corporation, cooperative, or some other tenure arrangement, the headquarters of the organization determined if the operator was a resident or non-resident.

Both Sections A and B went to some length to provide the enumerator, via questionnaire design, a common method for determining if the respondent was the tract operator. In the field while using the schedule for enumeration, Sections A and B were impressive from the standpoint that the questionnaire provided a good outline and held the introduction to a minimum. In fact, if an enumerator just introduced himself and asked questions as they appeared in the questionnaire, the interview appeared to flow quite nicely. However, observation of the enumerators who were familiar with the regular June Survey procedures indicated much of the information covered by the entire questionnaire was obtained in their introduction. They were then required to ask for the information again when they started to complete the questionnaire. This occurred for information of all sections and made the respondent give the same information many times. More detail can be gained from Sections A and B by observing the questionnaire in the Appendix.

Section C "Cattle and Calves in Tract" covered basically the usual inventory questions, with the exception of two additional questions. Question No. 5 asked for cattle and calves which had free access to land both inside and outside the tract boundaries. If the enumerator received a positive answer to item 5, the next question was "How many acres both inside and outside the segment did these cattle have free access to?" And of these total acres, question 7 obtained how many were inside the segment.

In California, the enumerators inserted an additional question - 8 - which said "What is the total number of cattle on (Item 6) \_\_\_\_\_ acres now?" This then served as a clue as to whether the items 1 through 4 were for the entire farm or for the acres inside the segment. Section C was designed so that the cattle numbers reported in questions 1-4 represented only the number inside the

segment at time of interview. The free access questions were then used to delete cattle that were included in items 1-4 erroneously.

Section D covered "Acres Owned, Rented, or Operated." Data were obtained for the entire operation as well as that operation located only in the specified counties.

In Section E, "Cattle and Calves on the Entire Farm", data were obtained for the entire operation as well as the portion located only in the specified location.

Section F obtained Farm Labor information. Questions 5, 8, 9 and 10 asked for agricultural services performed on the farm. These questions were asked to determine if the farm operator could be used as a lead to obtain the name of the firm which performed the work or services.

Section G, "Agricultural Services", was used to determine the effectiveness of the area frame in providing reasonable estimates for this sector of agricultural labor.

Results: The analysis of the data will be discussed separately for California and Florida. In California the survey was conducted over a much shorter time period than in Florida, due mainly to the fact that several questionnaires had to be returned to Florida for further clarification.<sup>1/</sup> The last shipment of questionnaires was not received from Florida until the last week in August, nearly five months after the survey date.

Recontacts could not be made in several instances, and, therefore, substantial editing was required. Also, the additional free access tract question "What is the total number of cattle on the (Item 6) \_\_\_\_\_ acres now?" which the enumerators inserted in California, was not used in Florida. For

<sup>1/</sup> See memorandum in Appendix.

these reasons the results obtained in California should be more valid, and analyzing the two states separately is more appropriate.

California: The June Enumerative Survey for 1967 and 1968 indicated 2644 and 3480 farms respectively. The special April survey indicated 5252 farms, which compares with 6979 farms shown in the 1964 Census of Agriculture. Of the 5252 farms indicated by the Special April Survey, 705 were obtained from operators residing in the city. Thus, while on the basis of standard errors the difference can be explained by sampling error, there is a fairly strong indication that the increased number of farms was caused both by the different manner of handling operators residing in cities as well as the greater questionnaire detail used in determining the identity of the operator. b  
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The All Land in Tract, at approximately 3 million acres, agrees quite favorably among all surveys. However, it should be noted that no attempt was made in the Special April Survey to see that the enumerated land in tract agreed with the planimetered area. The segments in the special April survey were not planimetered.

Considering total land operated, the June Survey indicated 2.0 and 1.5 million acres in 1967 and 1968 respectively, while the special April survey indicated 2.5 million. This compares with 2.2 million acres in the 1964 Census of Agriculture. Of the 2.5 million acres total land operated indicated by the special April survey, 507,000 acres were obtained from city resident operators. Thus in terms of numbers of farms and total land operated the use of the city operators alone increased farms by 13 percent and total land operated by 20 percent.

Basic in the use of the open and closed segment expansion is the concept that both estimates are measuring the same universe and have the same

expected value. To substantiate the special April survey somewhat more, note that rangeland and pasture were obtained both on the tract and entire farm basis and that the tract expansion was 2,078,315 acres while the whole farm expansion was 2,076,349 acres.

Turning now to the open and closed cattle questions, the tract expansion of total cattle was 303,800 head, while the entire farm expansion of total cattle was 300,794 head. Comparable items for the 1968 June Survey were a tract expansion of 309,643 head versus the open expansion of 270,509 head, and for June 1967 the tract expansion was 254,183 head while the total farm expansion was 336,654 head. The tract expansion of the Special April Survey obtained information concerning free access, which essentially shows that 112,000 head of cattle were on a total of 1,097,000 acres, of which 516,000 acres lay inside the segment, and the balance lay outside. Using a proration system proportional to land to prorate the cattle into the segment approximately 47 percent of the 112,000, or 52,570 cattle, were prorated into the segment. According to the questionnaire and instructions, this means that without the access questions an additional 59,520 cattle probably would have been added to the 303,800 head resulting in a closed tract expansion of 363,320 head of cattle.

Additionally, prorated data of city resident operators expanded to 43,856 cattle on the entire farm basis. Therefore, one could make the assumption that had the city resident operators not been handled in a special manner, the entire farm cattle estimates would have been 300,794 minus 43,856, or 256,938. It is hypothesized that had not the free access question and the method of prorating city resident operators entire farm data into the segment entire farm estimate been used, results from the special April survey probably

would have shown a spread of approximately 100,000 head of cattle between the open and closed estimates.

Considering the farm labor estimates, the June Enumerative Survey indicated 4,581 workers in 1967 and 2,664 workers in 1968, while the Special April Survey indicated 10,183 workers. This compares with the 1964 Census of Agriculture regular worker number of 12,633 workers. The State Department of Employment shows 17,680 workers and 20,092 workers for April-May of 1966; however, this number includes some agricultural service workers which the enumerative survey numbers do not reflect. Of the 10,183 workers shown by the special April survey, 6,348 were hired and paid by city resident operators. If we adjust the 10,183 total workers shown by the April survey by subtracting those from the city resident operators, we would obtain 3,835 workers, which agrees favorably with the numbers of workers shown both in the 1967 and 1968 enumerative survey. Therefore, it is quite clear that the use of the special method for handling city resident operators very sharply increases the number of hired workers one can expect to obtain on an area type survey.

In summary, the use of the special method for including city resident operators in the segment expansions resulted in increasing farm numbers 13 percent; land operated, 20 percent; cattle numbers, 15 percent; and farm labor, 62 percent.

Florida: Initially it should be explained that the situation as far as the frame is concerned is somewhat different in Florida than in California. The Florida frame has included several of the small cities in the agricultural-urban stratum. In contrast, all the small cities in California are included in the city stratum. Therefore, one would not expect to find as much additional

information added by a special method of including city resident operators in Florida as in California.

The 1967 and 1968 Enumerative Surveys indicated 4,310 and 6,072 farms respectively, whereas the Special April Survey indicated 7,299 farms. This compares with the 1964 Census number of farms of 6,770. Of the 7,299 farms, 626, or nearly 9 percent, were obtained from city resident operators. The All Land in Tract from the special April survey compares quite favorably with the 1967-68 enumerative surveys. Concerning total land operated in the entire farm, the 1967-68 Enumerative Surveys showed a total of 701,000 acres in 1967 and 3,355,000 acres in 1968, as compared to the 1,036,000 acres on the Special April Survey. The 1964 Census of Agriculture indicates total land in farms of 2,609,493 acres. Of the 1,036,000 acres shown on the special survey, 71,525 were obtained from city resident operators.

The special April survey didn't appear to solve the question of open-closed cattle estimates in Florida. The tract expansion of 294,000 head and entire farm expansion of 190,000 head compare to the June 1968 Enumerative Survey of 159,000 head on the tract basis and 176,000 on the entire farm basis and in 1967 of 204,000 on the tract basis and 136,000 on the entire farm basis. The city resident operators accounted for 15,000 head of cattle. The free access question was also very pertinent in Florida. A total of 213,571 head of cattle were on 1,445,000 acres of which 684,000 were inside the segment. This indicates that of the 294,000 tract expansion, 101,000 were prorated based on the free-access question, and that the spread between the open and closed estimates could have been greater without the free access question. However, as mentioned earlier, the total cattle on the free access acres were not obtained in Florida and the number of cattle on free access

may, therefore, be questionable. In addition, according to the instructions given to Florida, once the enumerator learned that cattle had free access in question 5, they were to prorate in questions 1-4; however, there is no assurance that they actually accomplished this in all cases.

Considering hired workers, the special April survey indicated 3,461 workers of which only 213 came from the city resident farm operators. This compares with the 1968 and 1967 June Enumerative Survey estimates of 1,392 and 1,476 workers, respectively. The 1964 Census of Agriculture indicated 7,933 regular workers. Therefore, on the basis of this information it does not appear that the concept of city resident operators worked as well in Florida as previously hoped. However, it should be noted that the method of data collection was somewhat less than desirable. The long period of time over which the data had to be collected was a factor, as well as a difference in the frames mentioned earlier. Also, for example, there were three segments in which Minute Maid was one of the city resident operators. However, no data were obtained from Minute Maid and therefore Minute Maid is not represented in this survey.

In addition, a great many of the questionnaires were office edited and recontacts were not made on several of the questionnaires returned for clarification. The method that has been used in enumerating the citrus tracts in the June Survey (for citrus tracts no or minimum information pertaining to that tract is obtained) plus the carryover of poor enumeration methods and concepts may be responsible for some of the differences detected in Florida as compared with California. An illustration of poor enumerating methods was an enumerator completing the interview on an envelope and then at a later date

copying the information onto the questionnaire with the excuse he didn't want to agitate the respondent.

Conclusions and Recommendations: From experience in the field it does appear that there is a great need to more carefully define the operator by questionnaire design. The enumerator can no longer be afforded the luxury of determining the identity of the operator with only a paragraph or two of instructions from the manual to guide him. With the advent of complex tenure arrangements in agriculture, it does appear that there is merit in defining the headquarters of the operation for corporations and associations in a different manner than for other types of operation.

With the continued use of multiple frame survey designs it becomes more and more important that we better define the operator. This questionnaire took a first step in the direction of better definition of the operator by questionnaire design, as well as providing instructions via questionnaire design for the enumerator to use. Working these concepts into current surveys by one method or another would seem both desirable and beneficial.

The survey illustrated the free access question to be instrumental and important in collecting tract livestock information for cattle, and that if used properly can result in reducing the number of cattle in the tract expansion. On the other hand, the city resident operators also represent an important part of the open segment cattle expansion.

On the basis of this survey, particularly in California, the use of the free-access question for the tract expansion and the use of the special method of obtaining information from city resident operators should be quite instrumental in bringing the two estimates closer together so that they are truly estimating the same universe. In Florida the effect of these two

procedures was not quite so evident. However, it does appear that they were helpful in pulling the two estimates together. Given tighter control on another project, the results would probably be more favorable in Florida as well.

When one considers workers it becomes very apparent, particularly in California, that the use of the city resident operators is necessary to obtain unbiased estimates of hired farm labor from an area sample. The method of prorating city resident operators entire farm data into the segment proportionate to land appears a feasible solution to sampling this important segment of agriculture.

Based upon the information the survey indicated concerning agricultural services, it appears that the only feasible solution in obtaining most of the data for this sector of agriculture would be through the use of a list frame. While the area frame does pick up some agricultural services, it probably could never do more than estimate for incompleteness in the list. Furthermore, the list of agricultural services should include all size groups, since the area sample is not designed to estimate for the very small agricultural service operations.

The Survey was conducted quite successfully in California, but far more difficulties were encountered in Florida. The results are more conclusive in California than Florida. However, the poor results obtained in Florida are not conclusive that the concepts do not work, and before such a deduction could be made another test or pilot survey would have to be completed in Florida with far tighter controls and a greater degree of conceptual change inserted.

Admittedly, the use of the city operator concept will put more stress on the organizational effort within the State office. The gains from

it, however, would seem to make such effort worthwhile. In addition to improving the estimates from the enumerative survey, it could make the area frame more flexible. A problem of the land use stratification is the growth of residential areas in the open country stratum. With the city operator concept one could eliminate the residential areas from the open country stratum with a minimum of effort.

Another point that may well be worth emphasizing is results from the June Enumerative Survey generally improved in the areas studied from 1967 to 1968. Generally speaking there was very little difference between the two surveys except that many of the enumerators in the district were used for the special study and possibly were made more aware of concepts and problems connected with the regular Enumerative Survey. This may have a significant bearing on our training programs.

Based on the results of this survey, it does appear that both the open and closed estimates of cattle numbers are somewhat suspect and that probably the true level lies somewhere between the two estimates. Hired workers obtained from the area frame are under estimated due to large numbers of workers hired by city resident operators which are not properly represented in the data collected. Before hired workers can be efficiently obtained by the area frame the city resident operator concept will have to be approached in one fashion or another. The evidence from this survey is strong enough to support a move in this direction of estimation in selective states as soon as the system can be fully implemented.

Survey Costs: The average cost per segment was \$92.00 in California and \$37.84 in Florida. An additional \$9.24 per segment was required for review and supplementary training in California. The training consisted of a second 3-hour training school after one day of enumeration. These costs compare with the 1967 June Enumerative per segment costs of \$28.50 and \$28.00 in California and Florida respectively.

When comparing the special April Survey costs with those of the regular June Survey, it should be noted that the segments used for the study were new and had no problem segment action. Many of the segments were quite large and difficult to enumerate. For example, one range segment in California had, as a conservative estimate, between 40-50,000 people living within its boundaries. Also, with no prior knowledge of the segment, the enumeration costs tend to be larger.

Conceptually, the proposed method of enumerating the NOC stratum should be no more expensive than current procedures. Currently, the enumerator should contact all tract operators; however, in practice many of the non-resident tracts are enumerated by observation. Enumeration by observation should not be a recommended procedure.

APPENDIX

Tabulations of Data

Survey Costs and Materials

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Table 1.--Special April Survey, Direct Expansion, and Standard Errors, California

	District 15			District 71			Total		
	Direct Expansion	Standard Error	C.V.	Direct Expansion	Standard Error	C.V.	Direct Expansion	Standard Error	C.V.
1. Number of farms:	3,850	799	21	1,402	388	28	5,252	888	17
2. All land in tract (acres)	537,325	26,072	05	2,516,425	184,033	7	3,053,750	185,871	6
3. Rangeland and pasture in tract (acres)	138,436	30,939	22	1,939,879	248,778	13	2,078,315	250,694	12
4. Cropland in tract (acres)	232,089	36,007	16	56,949	29,114	51	289,099	46,305	16
5. Cattle and calves in tract									
(a) Cows & heifers 2+	43,521	16,175	37	105,156	35,186	33	148,677	38,726	26
(b) Heifers 1-2	12,893	5,402	42	23,751	10,690	45	36,644	11,977	33
(c) Other cattle and calves	26,839	7,535	28	91,643	24,011	26	118,482	25,166	21
(d) Total cattle	83,250	25,754	31	220,550	54,802	25	303,800	60,552	20
(e) Milk cows	23,008	12,798	56	51,463	30,881	60	74,471	33,423	45
(f) Cattle with free access	21,453	4,129	19	90,637	29,335	32	112,090	29,624	26
(g) Acres inside and outside	141,665	61,560	43	955,924	295,990	31	1,097,589	302,324	28
(h) Acres inside	47,767	22,556	47	468,061	149,952	32	515,828	151,639	29
6. Acres owned, rented, or operated									
(a) In all locations (acres)									
(1) Owned	1,048,874	463,935	44	1,222,611	441,482	36	2,271,485	640,423	28
(2) Withdrawn from agriculture	20,761	18,993	91	12,689	10,636	84	33,450	21,768	65
(3) Rented from others	251,257	113,145	45	438,067	206,550	47	689,324	235,509	34
(4) Managed for others	3,563	2,633	74	53,135	32,231	61	56,699	32,338	57
(5) Rented to others	382,817	343,872	90	53,982	29,619	55	436,799	345,145	79
(6) Managed for you									-
(7) Total land operated	900,117	331,366	37	1,647,142	635,167	38	2,547,258	716,408	28
(8) Rangeland and pasture	588,533	290,785	49	1,487,816	640,385	43	2,076,349	703,313	34
(9) Cropland	294,311	70,565	24	39,635	14,749	37	333,946	72,090	22
(b) In specified counties (acres)									
(1) Owned	689,312	316,703	46	1,111,166	386,690	35	1,800,478	499,830	28
(2) Withdrawn from agriculture	20,761	18,993	91	12,689	10,636	84	33,450	21,768	65
(3) Rented from others	233,669	113,655	49	435,391	206,280	47	669,060	235,518	35
(4) Managed for others	3,563	2,633	74	53,136	32,231	61	56,699	32,338	57
(5) Rented to others	64,901	34,164	53	53,982	29,619	55	118,883	45,216	38
(6) Managed for you									-
(7) Total land operated	840,880	331,737	39	1,533,020	580,948	38	2,373,900	668,992	28
(8) Rangeland and pasture	571,291	291,524	51	1,374,301	585,579	43	1,945,572	654,132	34
(9) Cropland	251,867	65,192	26	36,193	14,651	40	288,060	66,818	23

Table 1.--Special April Survey, Direct Expansion, and Standard Errors, California--Con.

	District 15			District 71			Total		
	Direct	Standard	C.V.	Direct	Standard	C.V.	Direct	Standard	C.V.
	Expansion	Error		Expansion	Error		Expansion	Error	
7. Cattle and calves on entire farm									
(a) In all locations									
(1) Cows and heifers 2+	68,914	21,378	31	77,956	27,563	35	146,870	34,882	24
(2) Heifers 1-2	12,951	4,682	36	20,717	11,146	54	33,668	12,089	36
(3) Other cattle and calves	71,015	30,425	43	49,225	13,636	28	120,240	33,341	28
(4) Total cattle	152,898	46,284	30	147,896	46,389	31	300,794	65,530	22
(5) Milk cows	20,636	12,707	62	42,467	24,206	57	63,103	27,339	43
(6) Add. cattle grazing rent free	1,489	1,489	100	219	168	77	1,708	1,498	88
(7) Add. cattle owned by others	1,764	1,730	98	19	19	100	1,783	1,730	97
(b) In specified counties									
(1) Cows and heifers 2+	55,448	18,193	33	72,780	26,643	37	128,228	32,262	25
(2) Heifers 1-2	10,319	4,125	40	20,512	10,595	52	30,831	11,370	37
(3) Other cattle and calves	59,590	29,079	49	44,869	12,622	28	104,459	31,700	30
(4) Total cattle	125,377	40,502	32	138,159	44,593	32	263,536	60,241	23
(5) Milk cows	20,636	12,707	62	41,202	23,305	56	61,838	26,554	43
(6) Add. cattle grazing rent free	1,489	1,489	100	219	168	77	1,708	1,498	88
(7) Add. cattle owned by others	1,731	1,700	98	19	19	100	1,750	1,700	97
8. Farm labor									
(a) In all locations (number)									
(1) Working operators	3,263	680	21	1,181	350	30	4,444	765	17
(2) Unpaid family	1,537	328	21	737	341	46	2,274	473	21
(3) Workers hired and paid by you	9,271	5,273	18	912	247	27	10,183	5,279	52
(4) Workers hired and paid by contractor									
(5) Total workers	9,271	5,273	57	912	247	27	10,183	5,279	52
(6) Regular workers	7,938	5,244	66	855	247	29	8,793	5,250	60
(b) Specified counties									
(1) Working operator	3,196	648	20	1,181	350	30	4,377	736	17
(2) Unpaid family	1,438	307	21	708	315	44	2,146	440	21
(3) Workers hired & paid by you	8,995	5,266	59	878	246	28	9,873	5,272	53
(4) Workers hired & paid by contractor									
(5) Total workers	8,995	5,266	59	878	246	28	9,873	5,272	53
(6) Regular workers	7,767	5,243	68	821	245	30	8,588	5,248	61
9. No. farms having Agr. services performed	70	48	69	10	10	100	80	49	61
10. Agricultural services									
(a) No. farms	90	51	57	22	15	68	112	53	47
(b) Total workers	278	193	69	25	25	100	303	195	64
(c) No. workers included on farm	278	193	69	25	25	100	303	195	64

Table 2:--Special April Survey - City Residents - Direct Expansion and Standard Errors, California

	District 15			District 71			Total		
	Direct	Standard	C.V.	Direct	Standard	C.V.	Direct	Standard	C.V.
	Expansion	Error		Expansion	Error		Expansion	Error	
1. Number of Farms:	502	166	33	203	78	38	705	183	26
2. All Land in Tract (Acres)	58,296	20,381	35	358,258	132,728	37	416,554	134,284	32
3. Rangeland and pasture in Tract (Acres)	9,887	4,914	50	266,245	111,877	42	276,132	111,985	41
4. Cropland in Tract (Acres)	43,670	16,674	38	10,056	7,823	78	53,726	18,418	34
5. Cattle and calves in Tract									
(a) Cows & heifers 2+	15,847	10,004	63	19,993	7,762	39	35,840	12,662	35
(b) Heifers 1-2	4,916	3,818	78	523	441	84	5,439	3,843	71
(c) Other cattle and calves	4,079	2,098	51	21,116	7,453	35	25,195	7,743	31
(d) Total Cattle	24,842	15,451	62	41,632	14,436	35	66,474	21,145	32
(e) Milk cows	2,666	2,666	100	927	861	93	3,533	2,802	78
(f) Cattle with free access	---	---	---	38,467	24,742	64	38,467	24,742	64
(g) Acres inside and outside	---	---	---	350,414	241,014	69	350,414	241,014	69
(h) Acres inside	---	---	---	141,819	104,586	74	141,819	104,586	74
6. Acres owned, rented, or operated									
(a) In all locations (acres)									
(1) Owned	120,200	96,604	80	267,562	131,509	49	387,762	163,178	42
(2) Withdrawn from agriculture	203	203	100	117	85	73	320	220	69
(3) Rented from others	28,554	14,096	49	106,915	42,790	40	135,469	45,052	33
(4) Managed for others	---	---	---	4,375	4,375	100	4,375	4,375	100
(5) Rented to others	---	---	---	19,855	19,727	99	19,855	19,727	99
(6) Managed for you	---	---	---	---	---	---	---	---	---
(7) Total land operated	148,551	97,015	65	358,880	133,100	37	507,411	164,704	32
(8) Rangeland and pasture	99,083	95,340	96	270,941	111,919	41	370,044	147,022	40
(9) Cropland	46,758	18,493	40	7,539	4,094	54	54,277	18,941	35
(b) In specified counties (acres)									
(1) Owned	120,200	96,604	80	217,379	100,560	46	337,579	139,444	41
(2) Withdrawn from agriculture	203	203	100	117	85	73	320	220	69
(3) Rented from others	19,052	8,955	47	104,625	41,713	40	123,677	42,663	34
(4) Managed for others	---	---	---	4,375	4,375	100	4,375	4,375	100
(5) Rented to others	---	---	---	19,855	19,727	99	19,855	19,727	99
(6) Managed for you	---	---	---	---	---	---	---	---	---
(7) Total land operated	139,049	96,625	69	306,408	104,135	34	445,417	142,058	32
(8) Rangeland and pasture	99,083	95,340	96	219,665	73,644	34	318,778	120,471	38
(9) Cropland	37,256	14,249	38	5,111	2,827	55	42,517	14,526	34

Table 2--Special April Survey - City Residents - Direct Expansion and Standard Errors, California - continued.

	Direct Expansion	Standard Error	C.V.	Direct Expansion	Standard Error	C.V.	Direct Expansion	Standard Error	C.V.
1. Cattle & Calves on Entire Farm									
(a) In All Locations									
(1) Cows & heifers 2+	7,594	4,212	55	15,599	7,017	45	23,193	8,184	35
(2) Heifers 1-2	1,935	1,104	57	1,690	741	44	3,625	1,330	37
(3) Other Cattle & Calves	2,050	1,156	56	14,988	5,851	39	17,038	5,964	35
(4) Total Cattle	11,579	5,719	49	32,277	12,743	39	43,856	13,968	32
(5) Milk Cows	2,666	2,666	100	16	15	94	2,682	2,666	99
(6) Add. Cattle grazing rent free	---	---	---	59	59	100	59	59	100
(7) Add. Cattle owned by others	---	---	---	19	19	100	19	19	100
(b) In Specified Counties									
(1) Cows & heifers 2+	7,594	4,212	55	11,438	3,924	34	19,032	5,763	30
(2) Heifers 1-2	1,935	1,104	57	1,116	575	52	3,051	1,244	41
(3) Other Cattle & Calves	2,050	1,156	56	12,980	4,800	37	15,030	4,937	33
(4) Total Cattle	11,579	5,719	49	25,534	8,304	33	37,113	10,083	27
(5) Milk Cows	2,666	2,666	100	10	9	90	2,676	2,666	100
(6) Add. Cattle grazing rent free	---	---	---	59	59	100	59	59	100
(7) Add. Cattle owned by others	---	---	---	19	19	100	19	19	100
3. Farm Labor									
(a) In all locations (Number)									
(1) Working Operators	296	112	38	98	37	38	394	118	30
(2) Unpaid family	85	60	71	32	19	59	117	63	54
(3) Workers hired and paid by you	6,096	4,946	81	252	127	50	6,348	4,948	78
(4) Workers hired and paid by contractor	---	---	---	---	---	---	---	---	---
(5) Total Workers	6,096	4,946	81	252	127	50	6,348	4,948	78
(6) Regular Workers	5,318	4,911	92	218	125	57	5,536	4,913	89
(b) In Specified Counties									
(1) Working Operator	296	112	38	98	37	38	394	118	30
(2) Unpaid Family	85	60	71	32	19	59	117	63	54
(3) Workers hired and paid by you	6,096	4,946	81	231	125	54	6,327	4,947	78
(4) Workers hired and paid by contractor	---	---	---	---	---	---	---	---	---
(5) Total Workers	6,096	4,946	81	231	125	54	6,327	4,947	78
(6) Regular Workers	5,318	4,911	92	197	122	62	5,511	4,913	89
9. No. Farms Having Agr. Services Performed	---	---	---	---	---	---	---	---	---
0. Agricultural Services									
(a) No. Farms	20	20	100	---	---	---	21	20	100
(b) Total Workers	140	140	100	---	---	---	141	140	100
(c) No. workers included on farm	140	140	100	---	---	---	141	140	100

Table 3:--Regular June Survey Items comparable with Special April Survey, 1968, California

	District 15			District 71			otal		
	Direct Expansion	Standard Error	C.V.	Direct Expansion	Standard Error	C.V.	Direct Expansion	Standard Error	C.V.
1. Number of Farms:	2,471	1,009	41	1,009	490	49	3,480	1,122	32
2. All Land in Tract (Acres)	607,316	25,173	4	2,685,593	163,894	6	3,292,909	165,816	5
5. Cattle and calves in tract									
(a) Cows & heifers 2+	40,557	20,333	50	130,805	53,474	41	171,362	57,209	33
(b) Heifers 1-2	5,257	3,806	72	37,888	15,527	41	43,145	15,987	37
(c) Other cattle & calves	29,733	13,504	45	64,575	15,461	24	94,308	20,528	22
(d) Total cattle	75,547	33,405	44	234,096	81,383	35	309,643	87,972	28
(e) Milk cows	19,198	15,874	83	64,502	50,413	78	83,700	52,853	63
6. Acres owned, rented, or operated									
(a) In all locations (acres)									
(1) Owned	376,231	146,695	39	850,533	356,788	42	1,226,764	385,768	31
(2) Withdrawn from agriculture	4,506	2,221	49	---	---	---	4,506	221	49
(3) Rented from others	87,400	35,717	41	223,029	118,295	53	310,429	123,569	40
(4) Managed for others	378	378	100	59,301	59,301	100	59,679	59,302	99
(5) Rented to others)	16,969	15,145	90	9,186	9,186	100	26,155	17,713	68
(6) Managed for you )									
(7) Total land operated	442,533	155,235	35	1,064,376	377,047	35	1,506,909	407,753	27
7. Cattle and calves on entire farm									
(a) In all locations									
(1) Cows & heifers 2+	43,654	22,376	51	125,225	66,103	53	168,879	69,787	41
(2) Heifers 1-2	5,741	3,864	67	25,126	15,744	63	30,867	16,211	53
(3) Other cattle & calves	20,828	12,049	58	49,936	22,086	44	70,764	25,159	36
(4) Total Cattle	70,223	36,101	51	200,286	99,943	50	270,509	106,263	39
(5) Milk cows	19,013	15,882	84	74,463	59,742	80	93,476	61,817	66
8. Farm Labor									
(a) In all locations									
(5) Total workers	2,125	---	---	539	---	---	2,664	---	---

Table 4. Regular June Survey, Items Comparable with Special April Survey, 1967, California

	District 15			District 71			Total		
	Direct	Standard	C.V.	Direct	Standard	C.V.	Direct	Standard	C.V.
	Expansion	Error		Expansion	Error		Expansion	Error	
1. Number of Farms:	1,939	406	21	705	259	37	2,644	481	18
2. All Land in Tract (Acres)	608,262	26,052	4	2,381,926	122,927	5	2,990,188	125,657	4
5. Cattle & Calves in Tract									
(d) Total Cattle	49,546	20,252	41	204,637	56,673	28	254,183	60,183	24
(e) Milk Cows	10,662	8,996	84	51,548	39,605	77	62,210	40,614	65
6. Acres Owned, Rented, or Operated									
(1) Owned	515,991	263,542	51	485,079	164,859	34	1,001,070	310,858	31
(3) Rented from others	640,581	524,173	82	369,731	165,414	45	1,010,312	549,654	54
(4) Managed for others	87,349	84,151	96	11,860	11,860	100	99,209	84,983	86
(5) Rented to others	42,314	38,379	91	50,697	42,040	83	93,011	56,924	61
(6) Managed for you									
(7) Total Land Operated	1,201,216	763,360	64	801,483	260,241	32	2,002,699	806,501	40
7. Cattle & Calves on Entire Farm									
(a) In all locations									
(1) Cows & heifers 2+	115,049	72,379	63	109,127	67,331	62	224,176	98,854	44
(4) Total cattle	178,837	96,540	54	157,816	89,980	57	336,654	131,971	39
(5) Milk cows	12,415	9,303	75	67,199	54,252	81	79,614	55,044	69
8. Farm Labor									
(a) In all locations (Number)									
(1) Working operators	1,416			564			1,980		
(2) Unpaid family	895			133			1,028		
(5) Total Workers	3,392			1,189			4,581		

Special April Survey, Expanded Segment Listings, Number of Farms,  
 Land in Tract, Land in Entire Farm, California

A

District	Segment	Number of farms	Land in Tract			Land in entire farm					
			Range & pasture	Cropland	Total	Regardless of where located			Located in specified counties		
						Range & pasture	Cropland	Total	Range & pasture	Cropland	Total
1	1		20,125		20,158						
	2	99	5,312	9,501	15,770	2,738	2,111	5,345	2,738	2,111	5,345
	3		1,546	14,429	16,009						
	4		8,388		17,916						
	5	35		25,491	25,686	44,256	1,770	46,026	44,256	1,770	46,025
	6	164	1,385	21,290	25,808	2,596	33,212	41,922	2,596	33,212	41,922
	7	50	13,421	7,516	23,333	968	692	1,681	968	692	1,681
	8	11	1,371	12,340	13,766	422	13,303	13,725	422	3,800	4,223
	9	6		11,140	15,117		9,106	9,106		9,106	9,106
	10	35	2,314	848	16,107	16,072	848	20,558	16,072	848	20,558
	11	183		7,062	17,344		16,058	16,751		16,058	16,751
	12	277	12,625	11,787	27,573	5,591	2,475	8,239	5,591	2,475	8,239
	13	242	1,212	10,368	25,877	67,713	49,521	117,355	67,713	49,521	117,355
	14	325		12,293	21,349	16,928	37,218	54,170		12,328	12,351
	15	104		6,058	19,196	52	9,693	9,883	52	9,693	9,883
	16				18,550						
	17	209	5,366	9,208	21,636	1,545	9,079	12,839	1,545	9,079	12,839
	18		138		12,919						
	19	277	346	11,978	18,534	2,596	4,673	8,378	2,596	4,673	8,378
	20	658	6,671	8,395	19,445	5,123	7,893	14,020	5,054	7,754	14,020
	21		7,128	6,237	13,365						
	22	35	6,924	4,327	11,251	76,160	14,540	90,699	76,160	14,540	90,699
	23	42	9,105	6,058	15,163	282,392	36,072	318,464	282,392	36,072	318,464
	24	208	5,262	20,632	27,556	5,608	18,313	23,921	5,608	18,313	23,921
	25	171	9,003		14,391	14,954		15,158	14,954		15,158
	26	277	1,143	1,610	26,919	18,365	4,016	22,536	18,122	900	19,421
	27	308		11,343	14,072		9,030	9,514		9,030	9,514
	28	137	19,654	2,176	22,516	24,452	14,685	39,823	24,452	9,887	35,025
<b>Total</b>		<b>3,850</b>	<b>138,436</b>	<b>232,089</b>	<b>537,325</b>	<b>588,533</b>	<b>294,311</b>	<b>900,116</b>	<b>571,291</b>	<b>251,867</b>	<b>840,880</b>

Table 5.--Special April Survey, Expanded Segment Listings, Number of Farms,  
Land in Tract, Land in Entire Farm, California--con.

District	Segment	Number of farms	Land in Tract			Land in entire farm					
			Range & pasture	Cropland	Total	Regardless of where located			Located in specified counties		
						Range & pasture	Cropland	Total	Range & pasture	Cropland	Total
2	29	349	121,773	3,350	131,950	82,550	2,227	97,323	79,209	1,917	92,211
	30	155	121,251	1,569	126,295	105,913	1,452	110,851	105,913	1,452	110,464
	31	48	48,318	484	89,974	28,807	484	41,056	28,307	213	41,056
	32	65	49,946	3,510	138,897	24,713		31,296	24,713		31,296
	33	121	69,777	1,798	85,710	90,228	1,853	92,881	87,938	1,853	90,592
	34	132	128,546	3,332	147,296	30,962	3,727	38,709	28,058	866	38,157
	35	32	99,562	8,625	114,888	27,952	6,931	34,820	27,952	6,931	34,820
	36	52	150,200		152,762	652,497		652,497	596,497		596,497
	37	15	4,131		93,753	1,831	2,909	84,574	1,831	2,909	83,772
	38	159	78,463	2,935	86,473	81,709	2,343	84,089	81,709	2,343	84,089
	39	3	104,460		104,460	104,409		104,409	55,537		55,537
	40	99	190,298	2,010	192,425	42,968	4,095	47,198	42,968	4,095	47,198
	41	27	63,050		91,111	31,931		31,931	31,931		31,931
	42				165,742						
	43	14	35,205		35,205	108,240		108,240	108,132		108,132
	44		125,964		125,964						
	45		161,278		161,278						
	46	84	54,179	28,787	82,993	69,186	13,251	82,436	69,186	13,251	82,436
	47		143,418		143,418						
	48		126,225		126,225						
	49	35	36,288	128	69,826	3,920	246	4,692	3,920	246	4,692
	50	12	27,547	421	49,780		117	140		117	140
	<b>Total</b>	<b>1,402</b>	<b>1,939,879</b>	<b>56,949</b>	<b>2,516,425</b>	<b>1,487,816</b>	<b>39,635</b>	<b>1,647,142</b>	<b>1,374,301</b>	<b>36,193</b>	<b>1,533,020</b>
<b>Grand</b>	<b>Total</b>	<b>5,252</b>	<b>2,078,315</b>	<b>289,038</b>	<b>3,053,750</b>	<b>2,076,349</b>	<b>333,946</b>	<b>2,547,258</b>	<b>1,945,592</b>	<b>288,060</b>	<b>2,373,900</b>

Table C. Special April Survey, Expanded Segment Listings, Cattle and Calves in Tract, California

District	Segment	Cows and Heifers 2+	Heifers 1-2	Other cattle	Total cattle	Milk cows	Free Access		
							Cattle	Acres inside & outside	Acres inside
1	1		2,649		2,649		3,299	25,073	20,124
	2	561	857	462	1,880				
	3			687	687				
	4	839	839	1,677	3,355		6,710	16,775	8,387
	5								
	6								
	7	3,271		4,362	7,633	2,440	3,462	4,570	2,354
	8	857		548	1,405				
	9								
	10	583		431	1,014		2,755	8,407	2,225
	11								
	12	2,049	173	1,551	3,773		2,457	5,193	1,904
	13			1,454	1,454				
	14								
	15	1,385		4,916	6,301				
	16								
	17	3,704	450	35	4,189	2,666			
	18								
	19								
	20	13,189	3,289	4,016	20,494	12,151			
	21			1,283	1,283		1,385	42,875	7,128
	22								
	23	9,451	3,773	3,081	16,305		1,385	38,772	5,643
	24	2,770	519	519	3,808	2,770			
	25	921	170	580	1,671	68			
	26			346	346				
	27								
	28	3,941	171	891	5,003	2,913			
Total		43,521	12,893	26,839	83,250	23,008	21,453	141,665	47,767

Table 6.--Special April Survey, Expanded Segment Listings, Cattle and Calves in Tract, California--cont.

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District	Segment	Cows and Heifers 2+	Heifers 1-2	Other cattle	Total cattle	Milk cows	Free Access		
							Cattle	Acres inside & outside	Acres inside
2	29	30,850	9,779	5,704	46,333	26,890	12,995	45,723	21,787
	30	20,353	5,422	5,558	31,334	16,529	1,114	1,549	1,452
	31	8,017	1,113	290	9,422	5,626	2,460	57,453	35,827
	32	2,341	983	2,006	5,330	26	1,937	31,525	18,785
	33	4,052	475	4,609	9,136		2,127	11,986	6,996
	34	2,924	1,372	6,528	10,824		11,645	73,015	6,800
	35	9,075	1,837	7,136	18,046	862	1,338	10,000	8,750
	36	460		3,326	3,786	8	9,676	45,790	23,016
	37	2,836		2,220	5,056				
	38	5,513	653	2,664	8,830	12	419	9,299	8,189
	39	4,950		5,116	10,066	37	22,532	234,327	104,461
	40	3,392	802	25,085	29,279	1,418	15,650	98,664	89,528
	41	1,962		717	2,679				
	42								
	43	172		782	954		4,140	165,742	35,178
	44		879	2,611	3,490				
	45			2,706	2,706				
	46	7,921		4,940	12,861	55	552	13,662	3,312
	47		413	2,442	2,854		1,352	22,189	13,530
	48	338		3,645	3,983		2,700	135,000	90,450
49		23	47	70					
50				3,511	3,511				
	Total	105,156	23,751	91,643	220,550	51,463	90,637	955,924	468,061
Grand total		148,677	36,644	118,482	303,800	74,471	112,090	1,097,589	515,828

Table 7:--Special April Survey, Expanded Segment Listings, Acres Owned, Rented and Operated, California

District	Segment	Acres Owned		Acres Permanently Withdrawn		Acres Rented from Others		Acres Managed for Others		Acres Rented to Others		Acres Managed for You		Total Land Operated	
		All	Specified	All	Specified	All	Specified	All	Specified	All	Specified	All	Specified	All	Specified
		Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties
1	1														
	2	2,639	2,639			3,596	3,596			891	891			5,345	5,345
	3														
	4														
	5					46,026	46,026							46,026	46,026
	6	17,789	17,789	203	203	24,336	24,336							41,922	41,922
	7	532	532			457	457	692	692					1,681	1,681
	8	2,112	2,112			11,614	2,112							13,726	4,224
	9	9,106	9,106											9,106	9,106
	10	358,891	40,975			6,182	6,182			344,515	26,599			20,558	20,558
	11	19,809	19,809	312	312	12,001	12,001			14,747	14,747			16,751	16,751
	12	1,835	1,835	121	121	6,525	6,525							8,239	8,239
	13	34,445	34,445	19,040	19,040	106,450	106,450			4,500	4,500			117,355	117,355
	14	49,250	10,720			4,920	1,631							54,170	12,351
	15	3,514	3,514			6,370	6,370							9,883	9,883
	16														
	17	7,821	7,821			5,018	5,018							12,839	12,839
	18														
	19	8,378	8,378											8,378	8,378
	20	13,674	13,674			346	346							14,020	14,020
	21														
	22	90,699	90,699											90,699	90,699
	23	318,464	318,464			3,461	3,461	2,562	2,562					318,464	318,464
	24	17,897	17,897			5,968	5,968							23,921	23,921
	25	9,190	9,190											15,158	15,158
	26	23,073	19,957	537	537	1,302	1,302	308	308					22,536	19,421
	27	8,451	8,451	548	548	1,302	1,302							9,514	9,514
	28	51,304	51,304			6,682	1,885			18,164	18,164			39,223	35,025
	Total	1,048,674	639,312	20,761	20,761	251,257	233,669	3,563	3,563	382,817	64,901			922,227	822,227
2	29	72,177	67,064			23,152	23,152	1,995	1,995					97,323	92,211
	30	84,291	84,291			44,958	44,571			18,398	18,398			110,251	110,464
	31	28,807	28,807	10,651	10,651	22,900	22,900							41,056	41,056
	32	9,196	9,196					22,100	22,100					31,296	31,296
	33	52,900	52,900	22	22	40,003	37,714							92,881	90,592
	34	44,757	44,206	850	850	10,356	10,356			15,555	15,555			39,709	39,157
	35	11,562	11,562			23,258	23,258							34,820	34,820
	36	442,288	386,288			205,835	205,835	4,375	4,375					652,497	596,497

Table 7:--Special April Survey, Expanded Segment Listings, Acres Owned, Rented and Operated, California-- continued

District	Segment	Acres Owned		Acres Permanently Withdrawn		Acres Rented from Others		Acres Managed for Others		Acres Rented to Others		Acres Managed for You		Total Land Operated	
		All	Specified	All	Specified	All	Specified	All	Specified	All	Specified	All	Specified	All	Specified
		Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties	Locations	Counties
2	37	84,659	83,858	83	83	118	118			122	122			84,574	83,772
	38	53,855	53,855	18	18	25,319	25,319	24,666	24,666	19,732	19,732			84,059	84,059
	39	104,409	55,537											104,409	55,537
	40	46,273	46,273											47,192	47,192
	41					925	925							31,931	31,931
	42					31,931	31,931								
	43	108,240	108,132											108,240	108,132
	44														
	45														
	46	73,124	73,124			9,312	9,312							82,436	82,436
	47														
	48														
	49	5,933	5,933	1,065	1,065					175	175			4,692	4,692
	50	140	140											140	140
Total		1,222,611	1,111,166	12,689	12,689	438,067	435,391	53,136	53,136	53,982	53,982			1,647,142	1,473,742
Grand Total		2,271,495	1,800,478	33,450	33,450	689,324	669,060	56,699	56,699	436,799	118,883			2,547,259	2,373,902

Table 8.--Special April Survey, Expanded Segment Listings, Cattle and Calves on Entire Farm, California:

Dist.	Segment	Cows & heifers 2+		Heifers 1-2		Other cattle and calves		Total cattle		Milk cows		Additional cattle on rent-free land		Additional cattle owned by someone else		
		All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	
		locations	counties	locations	counties	locations	counties	locations	counties	locations	counties	locations	counties	locations	counties	locations
1	1															
	2	462	462	462	462	462	462	1,386	1,386							
	3														33	
	4															
	5	5,594	5,594													
	6			1,731	1,731	5,771	5,771	11,365	11,365							
	7	1,225	1,225					1,731	1,731						1,731	1,731
	8	264	264			1,352	1,352	2,577	2,577			1,489	1,489			
	9					169	169	433	433							
	10	1,413	1,413													
	11					1,625	1,625	3,038	3,038							
	12	1,281	1,281	35	35	2,146	2,146	3,462	3,462							
	13	10,385	10,385	2,181	2,181	8,655	8,655	21,221	21,221							
	14	13,466		2,631		11,424		27,521								
	15	1,385	1,385			4,916	4,916	6,301	6,301	69	69					
	16															
	17	3,704	3,704	450	450	35	35	4,189	4,189	2,666	2,666					
	18															
	19															
	20	14,228	14,228	3,289	3,289	3,289	3,289	20,806	20,806	12,151	12,151					
	21															
	22	6,231	6,231	519	519	69	69	6,819	6,819							
	23	1,985	1,985	792	792	28,051	28,051	30,828	30,828							
	24	2,770	2,770	519	519	519	519	3,808	3,808	2,769	2,769					
	25	580	580	170	170	1,296	1,296	2,064	2,064	68	68					
	26					346	346	346	346							
	27															
	28	3,941	3,941	171	171	891	891	5,003	5,003	2,913	2,913					
	Total	68,914	55,448	12,951	10,319	71,015	59,590	152,898	125,377	20,636	20,636	1,489	1,489	1,764	1,731	

Table 8.--Special April Survey, Expanded Segment Listings, Cattle and Calves on Entire Farm, California--con.

Dist.	Segment	Cows & heifers 2+		Heifers 1-2		Other cattle and calves		Total cattle		Milk cows		Additional cattle on rent-free land		Additional cattle owned by someone else	
		All locations	Spec. counties	All locations	Spec. counties	All locations	Spec. counties	All locations	Spec. counties	All locations	Spec. counties	All locations	Spec. counties	All locations	Spec. counties
2	29	22,154	21,138	10,187	9,654	5,965	5,848	38,306	36,640	19,356	18,340				
	30	18,553	18,553	5,539	5,345	5,626	5,626	29,717	29,524	15,415	15,173				
	31	5,742	5,742	930	930	290	290	6,962	6,962	4,183	4,183				
	32	871	871	13	13	819	819	1,703	1,703	26	26				
	33	6,515	6,286	566	518	7,242	6,796	14,322	13,599						
	34	1,024	1,024	1,186	1,186	3,910	3,910	6,120	6,120						
	35	2,769	2,768	206	206	2,141	2,141	5,114	5,114						
	36	943	943	165	165	10,726	9,476	11,834	10,584	25	25			19	19
	37	293	293			215	215	508	508						
	38	3,194	3,194	653	653	2,331	2,331	6,178	6,178	12	12				
	39	6,562	2,631	526		4,165	2,718	11,254	5,349	15	8				
	40	4,304	4,304	444	444	1,653	1,653	6,401	6,401	3,392	3,392	160	160		
	41	1,962	1,962			717	717	2,679	2,679						
	42														
	43	1,015	1,015		1,096	1,096		2,111	2,111	14	14				
	44														
	45														
	46	1,962	1,962	279	279	2,235	2,235	4,476	4,476	29	29	59	59		
	47														
	48														
	49	94	94	23	23	94	94	211	211						
	50														
	<b>Total</b>	<b>77,956</b>	<b>72,780</b>	<b>20,717</b>	<b>20,512</b>	<b>49,225</b>	<b>44,869</b>	<b>147,896</b>	<b>138,159</b>	<b>42,467</b>	<b>41,202</b>	<b>219</b>	<b>219</b>	<b>19</b>	<b>19</b>
<b>Grand Total</b>		<b>146,870</b>	<b>128,228</b>	<b>33,668</b>	<b>30,831</b>	<b>120,240</b>	<b>104,459</b>	<b>300,794</b>	<b>263,536</b>	<b>63,103</b>	<b>61,838</b>	<b>1,708</b>	<b>1,708</b>	<b>1,783</b>	<b>1,750</b>

Table 9.--Special April Survey, Expanded Segment Listings, Farm Labor and Agricultural Services, California

Dist:Seg.	Number Working Operators		Number Unpaid Family		Workers Hired & Paid by Operator		Workers Hired & Paid by Crew Leader or Contractor		Total Workers Hired		Regular Workers	Agricultural Services	Agricultural Services		
	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	Farms	No. Workers	Workers Incl. on Farms
1															
2	99	66	33	33	66	66			66	66	66	66			
3															
4															
5	35	35	142	142											
6	129	129	35	35	95	95			95	95	69	69			
7	50	50			15	15			15	15	15	15			
8	11	11			42	42			42	42	32	32			
9	6	6			717	717			717	717	28	28			
10	35	35	35	35											
11	157	157			5,311	5,311			5,311	5,311	5,299	5,299			
12	277	277	138	138	35	35			35	35	35	35		35	138
13	173	173	69	69	208	208			208	208	173	173	35		
14	255	255	35	35	636	636			636	636	290	290			
15	69	69	35	35	138	138			138	138	138	138			
16															
17	174	174	50	50	373	373			373	373	296	296		20	140
18															
19	208	208	69	34	381	381			381	381	381	381			
20	553	519	104	104	242	242			242	242	242	242			
21															
22	35	35	69	69											
23	35	35	35	35	49	49			49	49	49	49			
24	173	173	173	173	208	208			208	208	208	208		35	
25	102	102	205	205											
26	242	242	173	104	35	35			35	35					
27	308	308	103	103	240	240			240	240	206	206			
28	137	137	34	34	480	308			480	308	411	240	35		
TOTAL	3,263	3,196	1,537	1,438	9,271	8,995			9,271	8,995	7,938	7,767	70	90	278

Table 9.--Special April Survey, Expanded Segment Listings, Farm Labor and Agricultural Services, California  
(Continued)

Dist:Seg:	Number Working Operators		Number Unpaid Family		Workers Hired & Paid by Operator		Workers Hired and Paid by Crew Leader or Contractor		Total Workers Hired		Regular Workers		Agricultural Services Performed on Farms		Agricultural Services			
	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	No. Workers	Workers Incl. on Farms	Workers Incl. on Farms	
2	29	320	320	329	300	165	165			165	165	165	165					
	30	155	155	107	107	155	155			155	155	155	155	10				
	31	39	39	77	77	10	10			10	10	10	10		10			
	32	65	65	52	52													
	33	91	91	33	33	23	22			23	22	23	22					
	34	102	102	18	18	47	47			47	47	47	47					
	35	32	32	7	7													
	36	16	16	16	16	94	81			94	81	94	81					
	37	3	3			119	119			119	119	118	118					
	38	110	110	25	25	70	70			70	70	37	37	12	25		25	
	39	3	3			35	15			35	15	35	15					
	40	86	86			99	99			99	99	99	99					
	41	14	14			41	41			41	41	41	41					
	42																	
	43	14	14			14	14			14	14	14	14					
	44																	
	45																	
	46	84	84	3	3	5	5			5	5	5	5					
	47																	
	48																	
	49	35	35	70	70	35	35			35	35	12	12					
	50	12	12															
TOTAL		1,181	1,181	737	708	912	878			912	878	855	821	10	22	25	25	
GRAND TOTAL		4,444	4,377	2,274	2,146	10,183	9,873			10,183	9,873	8,793	8,588	80	112	303	303	

Table 10.--Special April Survey, Expanded Segment Listings, City Residents, Number of Farms, Land in Tract, Land in Entire Farm, California

District	Segment	Number of farms	Land in Tract			Land in entire farm							
			Range & pasture	Cropland	Total	Regardless of where located			Located in specified counties				
						Range & pasture	Cropland	Total	Range & pasture	Cropland	Total		
1	6	60		7,962	7,997			7,768	7,996			7,768	7,996
	7	50	935		935	934			934		934		934
	8	45	1,371	12,340	13,711	422	13,303	13,725	422	3,801		4,223	4,223
	9	40		5,142	9,084		9,106	9,106		9,106		9,106	9,106
	11	113		6,335	6,854		7,439	7,958		7,439		7,958	7,958
	14	82		3,271	3,289		3,282	3,289		3,282		3,289	3,289
	17	70	3,393	2,562	6,127	1,545	4,406	7,854	1,545	4,406		7,854	7,854
	20	35		727	779	727		779		727		779	779
	23	7	3,462	6,058	9,520	95,455	1,454	96,909	95,455	1,454		96,909	96,909
<b>Total</b>		<b>502</b>	<b>9,887</b>	<b>43,670</b>	<b>58,296</b>	<b>99,083</b>	<b>46,758</b>	<b>148,551</b>	<b>99,083</b>	<b>37,256</b>		<b>139,049</b>	
2	23	44	38,688		39,236	38,632		39,181	36,343			36,891	36,891
	34	30	17,187	2,533	19,720	16,843	2,945	19,796	16,728	2,552		19,288	19,288
	35	7	10,000		10,000	8,840	1,158	10,008	8,840	1,158		10,008	10,008
	36	16	27,488		27,488	27,498		27,498	27,498			27,498	27,498
	37	15	2,380		83,777	1,831	2,909	84,574	1,831	874		83,772	83,772
	38	60	15,873		15,885	15,876		15,876	15,876			15,876	15,876
	39	3	104,461		104,461	104,410		104,410	55,537			55,537	55,537
	41	27	31,931		31,931	31,931		31,931	31,931			31,931	31,931
	46	1	18,238	7,523	25,761	25,081	527	25,608	25,081	527		25,608	25,608
<b>Total</b>		<b>203</b>	<b>266,245</b>	<b>10,056</b>	<b>358,258</b>	<b>270,941</b>	<b>7,539</b>	<b>358,880</b>	<b>219,665</b>	<b>5,111</b>		<b>306,408</b>	
<b>Grand total</b>		<b>705</b>	<b>276,132</b>	<b>53,726</b>	<b>416,554</b>	<b>370,024</b>	<b>54,297</b>	<b>507,431</b>	<b>318,748</b>	<b>42,367</b>		<b>445,457</b>	

TABLE 11.--SPECIAL APRIL Survey, Expanded Segment Listings, City Residents, Cattle and Calves in Tract, California

District	Segment	Cows and Heifers 2+	Heifers 1-2	Other cattle	Total cattle	Milk cows	Free Access		
							Cattle	Acres inside & outside	Acres inside
1	6								
	7	796		762	1,558				
	8	857		548	1,405				
	9								
	11								
	14								
	17	3,704	450	35	4,189	2,666			
	20	1,039	692	1,039	2,769				
23	9,451	3,773	1,696	14,920					
<b>Total</b>		15,847	4,916	4,079	24,842	2,666			
2	33	2,358		2,801	5,158				
	34	391	437	3,757	4,585		1,371	8,773	4,869
	35	1,050		188	1,238	862	11,645	73,015	6,800
	36	88		2,512	2,600				
	37	2,466		1,850	4,316		2,500	25,000	17,500
	38	937	86	333	1,357				
	39	4,950		5,116	10,066		419	9,299	8,189
	41	1,962		717	2,679	37	22,532	234,327	104,460
	46	5,791		3,843	9,633	27			
<b>Total</b>		19,993	523	21,116	41,632	927	38,467	350,414	141,819
<b>Grand Total</b>		35,840	5,439	25,195	66,474	3,593	38,467	350,414	141,819

Table 12.--Special April Survey, Expanded Segment Listings, City Residents, Acres Owned, Rented, and Operated, California

Dist.	Segment	Acres Owned		Acres Permanently Withdrawn		Acres Rented from Others		Acres Managed for Others		Acres Rented to Others		Acres Managed for You		Total Land Operated	
		All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties	All Locations	Specified Counties
1	6	1,276	1,276	203	203	6,924	6,924							7,926	7,926
	7	497	497			437	437							934	934
	8	2,112	2,112			11,614	2,112							13,725	4,223
	9	9,106	9,106											9,106	9,106
	11	4,646	4,646			3,312	3,312							7,958	7,958
	14	2,038	2,038			1,251	1,251							3,289	3,289
	17	2,836	2,836			5,018	5,018							7,854	7,854
	20	779	779											779	779
	23	96,909	96,909											96,909	96,909
<b>Total</b>		<b>120,200</b>	<b>120,200</b>	<b>203</b>	<b>203</b>	<b>28,554</b>	<b>19,052</b>	-	-	-	-	-	-	<b>148,551</b>	<b>139,049</b>
2	33	14,278	14,278	22	22	24,925	22,635							39,181	36,891
	34	9,916	9,407			9,881	9,881							19,796	19,288
	35					10,008	10,008							10,008	10,008
	36	4,788	4,788			18,335	18,335	4,375	4,375					27,498	27,498
	37	84,659	83,858	83	83	118	118			122	122			84,574	83,772
	38	33,216	33,216	12	12	2,405	2,405			19,733	19,733			15,876	15,876
	39	104,410	55,537											104,410	55,537
	41					31,931	31,931							31,931	31,931
	46	16,296	16,296			9,312	9,312							25,608	25,608
<b>Total</b>		<b>267,562</b>	<b>217,379</b>	<b>117</b>	<b>117</b>	<b>106,915</b>	<b>104,625</b>	<b>4,375</b>	<b>4,375</b>	<b>19,855</b>	<b>19,855</b>	-	-	<b>358,880</b>	<b>306,408</b>
<b>Grand Total</b>		<b>387,762</b>	<b>337,579</b>	<b>320</b>	<b>320</b>	<b>135,469</b>	<b>123,677</b>	<b>4,375</b>	<b>4,375</b>	<b>19,855</b>	<b>19,855</b>	-	-	<b>507,431</b>	<b>445,457</b>

Table 13.--Special April Survey, Expanded Segment Listings, City Residents, Cattle and Calves on Entire Farm, California

Dist.:	Seg.:	Cows & heifers 2+		Heifers 1-2		Other cattle and calves		Total cattle		Milk Cows		Additional cattle on rent-free land		Additional cattle owned by someone else	
		All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.
		locations:	counties:	locations:	counties:	locations:	counties:	locations:	counties:	locations:	counties:	locations:	counties:	locations:	counties:
1	6														
	7	602	602			452	452	1,054	1,054						
	8	264	264			169	169	433	433						
	9														
	11														
	14														
	17	3,704	3,704	450	450	35	35	4,189	4,189	2,666	2,666				
	20	1,039	1,039	692	692	1,039	1,039	2,769	2,769						
	23	1,985	1,985	792	792	356	356	3,133	3,133						
Total		7,594	7,594	1,935	1,935	2,050	2,050	11,579	11,579	2,666	2,666				
2	33	2,720	2,491	72	24	3,064	2,618	5,857	5,134						
	34	310	310	506	506	3,281	3,165	4,097	3,981						
	35	1,105	1,105	56	56	466	466	1,626	1,626						
	36	906	906	164	164	1,976	1,976	3,046	3,046			19	19		
	37	293	293			215	215	508	508						
	38	937	937	86	86	333	333	1,356	1,356						
	39	6,562	2,631	526		4,165	2,718	11,254	5,349	15	9				
	41	1,962	1,962			717	717	2,679	2,679						
	46	803	803	279	279	772	772	1,854	1,854	1	1	59	59		
Total		15,599	11,438	1,690	1,116	14,988	12,980	32,277	25,534	16	10	59	59	19	19
Grand total		23,193	19,032	3,625	3,051	17,038	15,030	43,856	37,113	2,682	2,676	59	59	19	19

Table 14:--Special April Survey, Expanded Segment Listings, City Residents, Farm Labor and Agricultural Services, California

Dist.	Seg.	No. Working Operators		No. Unpaid Family		Workers Hired and paid by Operator		Workers Hired and Paid by Crew Leader or Contractor		Total Workers Hired		Regular Workers	Agricultural Services Performed on Farms	Agricultural Services	No. Workers	Workers incl. on Farms
		All Loca- tions	Speci- fied Counties	All Loca- tions	Speci- fied Counties	All Loca- tions	Speci- fied Counties	All Loca- tions	Speci- fied Counties	All Loca- tions	Speci- fied Counties					
1	6	60	60	35	35	25	25			25	25					
	7	15	15			15	15			15	15	15	15			
	8	11	11			42	42			42	42	32	32			
	9	6	6			717	717			717	717	28	28			
	11	53	53			4,930	4,930			4,930	4,930	4,918	4,918			
	14	48	48			48	48			48	48	48	48			
	17	70	70	50	50	303	303			303	303	263	263	20	140	140
	20	35	35													
	23					15	15			15	15	15	15			
Total		296	296	85	85	6,096	6,096			6,096	6,096	5,318	5,318	20	140	140
2	33	26	26			1	0			1	0	1	0			
	34	17	17	18	18	13	13			13	13	13	13			
	35	7	7	7	7											
	36	4	4	4	4	6	6			6	6	6	6			
	37	3	3			119	119			119	119	118	118			
	38	23	23			33	33			33	33					
	39	3	3			35	15			35	15	35	15			
	41	14	14			41	41			41	41	41	41			
	46	1	1	3	3	5	5			5	5	5	5			
Total		98	98	32	32	252	231			252	231	218	197			
Grand total		394	394	117	117	6,348	6,327			6,348	6,327	5,536	5,515	20	140	140

Table 15.--Special April Survey, Direct Expansion and Standard Errors, Florida

	District 30			District 74			Ag. Urban			Total		
	Direct Expansion	Standard Error	C.V.									
1. Number of Farms:	3,929	1,057	27	1,267	446	35	2,103	891	42	7,299	1,453	20
2. All Land in Tract (Acres)	423,674	18,412	4	2,094,561	54,305	3	202,234	27,128	13	2,720,469	63,435	02
3. Rangeland & pasture in Tract (Acres)	110,095	25,732	23	1,821,507	119,853	7	35,226	27,500	78	1,956,828	125,631	06
4. Cropland in Tract (Acres)	179,315	25,320	14	42,264	18,719	44	25,184	9,950	40	246,763	33,023	13
5. Cattle & Calves in Tract												
(a) Cows & Heifers 2+	29,905	8,036	27	152,100	25,787	17	7,886	6,289	39	139,891	27,783	15
(b) Heifers 1-2	5,685	2,413	42	23,299	7,921	34	1,840	1,219	66	30,824	8,370	27
(c) Other Cattle & Calves	13,955	3,603	26	53,754	11,768	22	5,783	3,778	65	73,492	12,874	18
(d) Total Cattle	49,545	11,590	23	229,153	38,856	17	15,509	11,132	71	244,207	42,048	14
(e) Milk Cows	4,959	4,699	95	2,271	2,153	95	526	526	100	7,756	5,195	67
(f) Cattle with free access	21,004	9,157	44	192,567	70,528	37				213,571	71,120	33
(g) Acres inside and outside	54,377	29,667	54	1,391,496	426,082	31				1,445,873	427,114	30
(h) Acres inside	19,654	10,863	55	664,188	186,091	28				663,842	186,408	27
6. Acres Owned, Rented, or Operated												
(a) In All Locations (Acres)												
(1) Owned	203,258	98,962	49	317,278	118,917	37	22,161	10,919	49	542,697	155,093	29
(2) Withdrawn from Agriculture	60	60	100	2,269	2,269	100	263	263	100	2,592	2,285	88
(3) Rented from Others	101,557	93,959	92	201,185	91,144	45	28,917	28,917	100	331,659	134,059	40
(4) Managed for Others	29,723	15,397	52	180,828	180,228	99				210,551	180,884	86
(5) Rented to Others	16,533	11,472	69	29,424	29,006	98				45,957	31,192	68
(6) Managed for you												
(7) Total Land Operated	317,947	130,386	41	667,598	226,063	34	50,815	25,591	50	1,036,360	262,221	25
(8) Rangeland & Pasture	224,208	126,044	56	611,589	220,196	36	35,226	27,500	78	867,023	255,205	29
(9) Cropland	73,768	23,775	32	7,670	4,729	62	8,622	5,137	60	90,060	24,779	28
(b) In Specified Counties (Acres)												
(1) Owned	198,796	99,231	50	317,236	118,908	37	22,161	10,919	49	533,193	155,258	29
(2) Withdrawn from Agriculture	60	60	100	2,269	2,269	100	263	263	100	2,592	2,285	88
(3) Rented from Others	101,557	93,959	92	147,129	78,375	53	28,917	28,917	100	277,603	125,726	45
(4) Managed for Others	29,723	15,397	52	180,828	180,228	99				210,551	180,884	86
(5) Rented to Others	16,533	11,472	69	29,424	29,006	98				45,957	31,192	68
(7) Total land Operated	313,484	130,789	42	613,500	216,800	35	50,815	25,591	50	977,799	254,486	26
(8) Rangeland & Pasture	221,380	126,243	56	557,533	210,094	38	35,226	27,500	78	814,139	246,645	30
(9) Cropland	72,514	23,830	33	7,670	4,729	62	8,622	5,137	60	83,806	24,832	28

Table 15.--Special April Survey, Direct Expansion and Standard Errors, Florida--continued

	District 30			District 74			Ag. Urban			Total		
	Direct Expansion	Standard Error	C.V.									
<b>Cattle &amp; Calves on Entire Farm:</b>												
<b>(a) In All Locations :</b>												
(1) Cows & Heifers 2+ :	31,094	15,015	48	89,846	34,090	38	7,887	6,289	80	128,827	37,777	29
(2) Heifers 1-2 :	8,276	4,450	54	10,017	5,099	51	1,840	1,219	66	20,133	6,877	34
(3) Other Cattle & Calves :	9,209	3,378	37	26,287	9,794	37	5,783	3,777	65	41,279	11,027	27
(4) Total Cattle :	48,579	20,406	42	126,253	45,993	36	15,510	11,132	72	190,342	51,533	27
(5) Milk Cows :	1,002	635	63	9,839	9,719	99	526	526	100	11,367	9,754	86
<b>(b) In Specified Counties :</b>												
(1) Cows & Heifers 2+ :	31,094	15,015	48	89,846	34,090	38	7,887	6,239	80	128,827	37,777	29
(2) Heifers 1-2 :	8,276	4,450	54	10,017	5,099	51	1,840	1,219	66	20,133	6,877	34
(3) Other Cattle & Calves :	9,209	3,378	37	26,287	9,794	37	5,783	3,777	65	41,279	11,027	27
(4) Total Cattle :	48,579	20,406	42	126,253	45,993	36	15,510	11,132	72	190,342	51,533	27
(5) Milk Cows :	1,002	635	63	9,839	9,719	99	526	526	100	11,367	9,754	86
<b>Farm Labor :</b>												
<b>(a) In All Locations (Number):</b>												
(1) Working Operators :	2,637	805	30	1,034	398	38	1,578	651	41	5,249	1,109	21
(2) Unpaid Family :	817	539	66	42	42	100	1,577	1,282	81	2,436	1,391	57
(3) Workers Hired and Paid by You :	1,370	549	40	686	383	56	526	526	100	2,582	851	33
(4) Workers Hired and Paid by Contractor :	910	526	58	63	63	100				973	530	54
(5) Total Workers :	2,186	825	38	749	384	51	526	526	100	3,461	1,051	30
(6) Regular Workers :	808	244	30	271	199	73	526	526	100	1,605	613	38
<b>(b) In Specified Counties :</b>												
(1) Working Operator :	2,637	805	30	1,034	398	38	1,578	651	41	5,249	1,109	21
(2) Unpaid Family :	817	539	66	42	42	100	1,577	1,282	81	2,436	1,391	57
(3) Workers Hired and Paid by You :	1,370	549	40	686	383	56	526	526	100	2,582	851	33
(4) Workers Hired and Paid by Contractor :	910	526	58	63	63	100				973	530	54
(5) Total Workers :	2,186	825	38	749	384	51	526	526	100	3,461	1,051	30
(6) Regular Workers :	808	244	30	271	199	73	526	526	100	1,605	613	38
<b>No. Farms Having Ag. Services Performed :</b>												
	158	77	49	125	86	69				283		
<b>Agricultural Services :</b>												
(a) No. Farms :	190	63	33	62	62	100	263	263	100	515	277	54
(b) Total Workers :	2,829	2,000	71							2,829	2,000	71
(c) No. Workers included on Farm :	2,820	2,001	71							2,820	2,001	71

Table 16.--Special April Survey, City Residents, Direct Expansion and Standard Errors, Florida

	District 30			District 74			Ag. Urban			Total		
	Direct Expansion	Standard Error	C.V.									
1. Number of Farms:	285	133	47	79	68	86	262	262	100	626	301	48
2. All Land in Tract (Acres)	21,165	9,025	43	24,431	17,122	70	28,917	28,917	100	74,513	34,796	47
3. Rangeland and pasture in Tract (Acres)	3,077	1,302	42	21,611	14,943	69	28,917	28,917	100	53,605	32,575	61
4. Cropland in Tract (Acres)	13,378	6,381	47							13,378	6,381	47
5. Cattle and Calves in Tract												
(a) Cows & Heifers 2+	188	135	72	1,445	1,224	85	6,572	6,572	100	8,205	6,686	81
(b) Heifers 1-2				271	219	81	1,314	1,314	100	1,585	1,332	84
(c) Other Cattle & Calves	1,067	648	61	710	555	78	3,943	3,943	100	5,720	4,034	70
(d) Total Cattle	1,255	517	41	2,426	1,996	82	11,829	11,829	100	15,510	12,007	77
(e) Milk Cows												
(f) Cattle with free access				1,270	1,270	100				1,270	1,270	100
(g) Acres inside & outside				28,166	28,166	100				28,166	28,166	100
(h) Acres inside				10,150	10,150	100				10,150	10,150	100
6. Acres Owned, Rented, or Operated												
(a) In All Locations (Acres)												
(1) Owned	17,477	9,810	56	24,176	16,893	70	263	263	100	41,886	19,536	47
(2) Withdrawn from agriculture	60	60	100	4	4	100				64	60	94
(3) Rented from others	5,316	4,708	88				28,917	28,917	100	34,233	29,298	85
(4) Managed for others	2,212	1,281	58							2,212	1,281	58
(5) Rented to others	6,742	4,560	67							6,742	4,560	67
(6) Managed for you												
(7) Total land operated	18,175	7,718	42	24,172	16,889	70	29,180	29,180	100	71,525	34,587	48
(8) Rangeland & pasture	5,903	3,563	60	23,324	16,224	69	28,917	28,917	100	58,144	33,348	57
(9) Cropland	3,000	2,075	69	847	847	100				3,847	2,241	58
(b) In Specified Counties (Acres)												
(1) Owned	13,240	7,803	59	24,176	16,893	70	263	263	100	37,679	18,609	49
(2) Withdrawn from agriculture	60	60	100	4	4	100				64	60	94
(3) Rented from others	5,316	4,708	88				28,917	28,917	100	34,233	29,298	85
(4) Managed for others	2,212	1,281	58							2,212	1,281	58
(5) Rented to others	6,742	4,560	67							6,742	4,560	67
(6) Managed for you												
(7) Total land operated	14,968	5,623	38	24,172	16,889	70	29,180	29,180	100	68,320	34,180	50
(8) Rangeland & pasture	5,903	3,563	60	23,324	16,224	69	28,917	28,917	100	58,144	33,348	57
(9) Cropland	3,000	2,075	69	847	847	100				3,847	2,241	58

Table 16.--Special April Survey, City Residents, Direct Expansion and Standard Errors, Florida--continued

	District 30			District 74			Ag. Urban			Total		
	Direct :Expansion:	Standard :Error :	C.V.	Direct :Expansion:	Standard :Error :	C.V.	Direct :Expansion:	Standard :Error :	C.V.	Direct :Expansion:	Standard :Error :	C.V.
7. Cattle and Calves on Entire Farm												
(a) In All Locations												
(1) Cows & Heifers 2+	296	200	68	1,500	1,278	85	6,572	6,572	100	8,368	6,698	80
(2) Heifers 1-2	19	17	89	278	224	80	1,314	1,314	100	1,611	1,333	83
(3) Other Cattle & Calves	198	188	94	795	637	80	3,943	3,943	100	4,936	3,998	81
(4) Total Cattle	513	366	71	2,573	2,138	83	11,829	11,829	100	14,915	12,026	81
(5) Milk Cows	1	1	100							1	1	100
(6) Add. Cattle grazing rent free	24	24	100							24	24	100
(b) In Specified Counties												
(1) Cows & Heifers 2+	296	200	68	1,500	1,278	85	6,572	6,572	100	8,368	6,698	80
(2) Heifers 1-2	19	17	89	278	224	80	1,314	1,314	100	1,611	1,333	83
(3) Other Cattle & Calves	198	188	94	795	637	80	3,943	3,943	100	4,936	3,998	81
(4) Total Cattle	513	366	71	2,573	2,138	83	11,829	11,829	100	14,915	12,026	81
(5) Milk Cows	1	1	100							1	1	100
(6) Add. Cattle grazing rent free	24	24	100							24	24	100
8. Farm Labor												
(a) In All Locations (Number)												
(1) Working Operators	125	91	73	12	11	91	263	263	100	400	278	70
(2) Unpaid Family	3	3	100							3	3	100
(3) Workers Hired & Paid by You	147	82	56	3	3	100				150	82	55
(4) Workers Hired & Paid by Cont.				63	63	100				63	63	100
(5) Total Workers	147	82	56	66	66	100				213	105	49
(6) Regular Workers	117	71	61							117	71	61
(b) In Specified Counties												
(1) Working Operators	125	91	73	12	11	91	263	263	100	400	278	70
(2) Unpaid Family	3	3	100							3	3	100
(3) Workers Hired & Paid by You	147	82	56	3	3	100				150	82	55
(4) Workers Hired & Paid by Cont.				63	63	100				63	63	100
(5) Total Workers	147	82	56	66	66	100				213	105	49
(6) Regular Workers	117	71	61							117	71	61
9. No. Farms Having Ag. Services Performed	2	2	100	31	31	100				33	31	94
10. Agricultural Services												
(a) No. Firms	35	31	88							35	31	88
(b) Total Workers	820	784	96							820	784	96
(c) No. Workers included on farm	402	376	94							402	376	94

Item	District 30			District 74			Ag. Urban	Total
	Direct expansion	Standard error	C.V.	Direct expansion	Standard error	C.V.	Direct expansion	Direct expansion
1. Number of farms:	4,192	811	19	1,599	461	29	281	6,072
2. All land in tract (acres)	396,581	15,829	4	1,969,303	128,088	6	58,336	2,365,884
5. Cattle & calves in tract								
(a) Cows & heifers 2+	20,362	6,642	33	59,256	15,662	26	1,870	81,488
(b) Heifers 1-2	4,696	1,405	30	15,270	6,132	40	-	19,956
(c) Other cattle & calves	17,399	4,877	28	40,368	9,349	23	-	57,767
(d) Total cattle	42,457	12,436	29	114,893	27,305	24	1,870	159,220
(e) Milk cows	284	141	50	482	332	69	-	766
6. Acres owned, rented, or operated								
(a) In all locations (acres)								
(1) Owned	173,848	53,784	31	115,788	38,041	33	107,326	396,962
(2) Withdrawn from agriculture	-	-	-	125	85	68	-	125
(3) Rented from others	184,300	82,116	45	2,773,739	2,737,247	99	4,674	2,962,713
(4) Managed for others	1,450	1,323	91	-	-	-	-	1,450
(5) Rented to others	1,097	943	86	5,038	3,873	77	-	6,135
(7) Total land operated	358,477	101,821	28	2,884,363	2,731,861	95	112,000	3,354,840
7. Cattle & calves on entire farm								
(a) In all locations								
(1) Cows & heifers 2+	65,278	29,241	45	18,951	8,342	44	7,011	91,240
(2) Heifers 1-2	12,293	4,095	33	4,101	2,061	50	476	16,870
(3) Other cattle & calves	53,994	28,860	53	12,213	4,241	35	2,244	68,451
(4) Total cattle	131,564	61,189	47	35,265	13,807	39	9,723	176,552
(5) Milk cows	347	148	43	348	324	93	1,870	2,565
8. Farm labor								
(a) In all locations (number)								
(1) Working operators	2,364			962			280	3,606
(5) Total workers	630			201			561	1,392

Item	District 30			District 74			Ag. Urban	Total
	Direct expansion	Standard error	C.V.	Direct expansion	Standard error	C.V.	Direct expansion	Direct expansion
1. Number of farms:	2,963	612	21	1,159	339	29	188	4,310
2. All land in tract (acres)	392,017	16,910	4	1,963,402	128,211	6	58,852	2,414,271
5. Cattle & calves in tract								
(d) Total cattle	56,452	24,712	44	146,984	29,853	20	560	203,996
(d) Milk cows	20,803	20,472	98	149	75	50		20,952
6. Acres owned, rented, or operated								
(a) In all locations (acres)								
(1) Owned	157,632	53,041	34	135,308	72,811	54	88,628	381,568
(2) Withdrawn from agriculture	95	69	73					95
(3) Rented from others	158,041	91,196	58	40,071	22,921	57	122,472	320,584
(4) Managed for others								
(5) Rented to others				960	822	86		960
(7) Total land operated	315,578	128,032	41	174,419	78,139	45	211,100	701,097
7. Cattle & calves on entire farm								
(b) In specified counties								
(1) Cows & heifers 2+	46,870	22,989	49	10,854	4,465	41	14,023	71,747
(4) Total cattle	90,715	41,257	45	16,724	6,985	42	28,233	135,672
(5) Milk cows	189	130	69	103	63	61		292
8. Farm labor								
(a) In all locations (number)								
(1) Working operators	1,860			711			210	2,781
(5) Total workers	1,040			86			350	1,476

Table 19.--Special April Survey, Expanded Segment Listings, Number of Farms, Land in Tract, Land in Entire Farm, Florida

Dist.	Segment	Number of Farms	Land in Tract			Land in Entire Farm					
			Range & Pasture	Cropland	Total	Regardless of where located			Located in specified counties		
						Range & Pasture	Cropland	Total	Range & Pasture	Cropland	Total
1	1	94	4,725	2,826	20,282	7,237	---	9,105	7,237	---	9,105
	2	173	2,480	5,366	14,269	597	2,699	4,772	597	1,759	3,957
	3	63	94	157	10,157	---	94	110	---	94	110
	4	899	3,538	8,226	19,252	9,488	7,263	21,137	9,488	7,263	21,137
	5	284	738	16,828	20,275	986	18,162	19,557	986	18,162	19,557
	6	502	2,512	11,303	17,707	6,907	10,549	18,210	6,907	10,549	18,210
	7	502	6,970	1,884	20,031	1,444	1,633	7,912	1,444	1,633	7,912
	8	251	126	6,154	20,219	1,381	1,255	3,014	1,381	1,255	3,014
	9	157	4,709	8,312	14,693	91,739	6,279	100,122	91,739	6,279	100,122
	10	63	3,328	10,298	22,134	699	565	1,350	699	565	1,350
	11	377	3,391	2,889	20,047	1,899	1,020	3,516	1,899	1,020	3,516
	12		13,029	3,610	16,828						
	13	11	4,678	18,520	27,452	1,901	140	3,626	1,335	140	2,554
	14	3		15,133	20,093		139	470		139	470
	15	135	847	13,688	20,313	1,161	4,584	5,871	1,161	4,584	5,871
	16			7,849	17,895						
	17	100	1,193	12,747	17,331	757	2,194	3,140	757	1,880	2,826
	18	1	4,615	5,212	16,546	2,262	302	2,564		302	302
	19	188	188	7,340	10,602	188	14,159	14,417	188	14,159	14,417
	20		21,349		21,349						
	21	63	11,774	1,413	15,290	2,041	2,041	4,238	2,041	2,041	4,238
	22		7,315	9,984	18,084						
	23	63	12,496	9,576	22,825	93,561	690	94,816	93,561	690	94,816
	Total	3,929	110,095	179,315	423,674	224,208	73,768	317,947	221,380	72,514	313,424
2	24	401	70,037	11,343	85,219	8,823	4,411	16,127	8,823	4,411	16,127
	25	43	79,298		80,629	74,167		74,167	74,167		74,167
	26	169	56,463	127	74,369	91,979	127	92,359	37,923	127	38,261
	27		90,546		102,782						
	28	130	86,221	7,261	96,594	38,897		55,104	38,897		55,104
	29		101,619		101,619						
	30		102,189		102,189						
	31		94,393		94,393						
	32		103,388		103,388						
	33	123	51,240		76,737	2,710		2,895	2,710		2,895
	34		116,273		116,273						
	35		98,446		98,446						

Table 19.--Special April Survey, Expanded Segment Listings, Number of Farms, Land in Tract, Land in Entire Farm, Florida--continued

Dist.	Segment	Number of Farms	Land in Tract			Land in Entire Farm						
			Range & Pasture	Cropland	Total	Regardless of where located			Located in specified counties			
						Range & Pasture	Cropland	Total	Range & Pasture	Cropland	Total	
2	36	36	102,024		103,466							
	37	6	83,699	5,788	101,695	180,255		180,255	180,255		180,255	
	38		91,843		102,964	8,374		8,374	8,374		8,374	
	39		71,767		72,468							
	40	103	85,478	154	89,456	436	153	770	436	153	770	
	41		90,006		90,047							
	42	33	91,563		91,563	91,563		91,563	91,563		91,563	
	43				96,464							
	44	139	104,895	3,999	110,144	68,098	1,280	80,149	68,098		80,149	
	45	84	50,119	13,592	103,637	46,297	1,699	65,835	46,297	1,699	65,835	
	Total	1,267	1,221,507	42,264	2,094,561	611,589	7,670	667,526	557,533	7,670	613,500	
3	46	1,052	3,680	6,782	47,529	3,630	2,839	10,331	3,690	2,839	10,331	
	47	526	1,314	8,938	52,944	1,314	5,258	8,675	1,314	5,258	8,675	
	48	263	1,314	526	32,098	1,314	526	2,629	1,314	526	2,629	
	49	263	28,917		46,004	28,917		29,180	28,917		29,180	
	50			8,938	23,659							
		Total	2,103	35,226	25,184	202,234	35,226	8,622	50,815	35,226	8,622	50,815
	Grand Total	7,297	1,966,828	246,763	2,720,469	871,023	90,060	1,036,360	814,139	88,806	977,797	

Table 20.--Special April Survey, Expanded Segment Listings, Cattle and Calves in Tract, Florida--con.

Dist.	Segment	Cows & heifers 2+	Heifers 1-2	Other cattle	Total cattle	Milk cows	Free access		
							Cattle	Acres inside and outside	Acres inside
2	36	17,124		7,931	25,055				
	37	11,166	1,398	8,370	20,934	33,391	133,563	83,699	
	38	7,175	1,256	2,117	10,548	1,614	4,305	1,076	
	39	5,038	642	3,778	9,458	35,646	190,112	71,767	
	40	5,132	103	1,950	7,185				
	41	5,780	1,598	1,990	9,368	42,071	325,218	90,006	
	42	4,905	1,635	3,270	9,810				
	43								
	44	19,840	6,880	2,321	29,041	44,664	212,896	90,043	
	45	6,286	1,104	127	7,517	9,981	38,226	25,060	
	Total	152,100	23,299	53,754	229,153	2,271	192,567	1,391,496	664,188
3	46	526	263	1,577	2,366	526			
	47								
	48	789	263	263	1,314				
	49	6,572	1,314	3,943	11,830				
	50								
	Total	7,886	1,840	5,783	15,510	526			
	Grand total	189,891	30,824	73,492	294,209	7,756	213,571	1,445,873	683,842



Table 21.--Special April Survey, Expanded Segment Listings, Acres Owned, Rented and Operated, Florida--continued

Dist.	Segment	Acres owned		Acres withdrawn from agriculture		Acres rented from others		Acres managed for others		Acres rented to others		Acres managed for you		Total land operated	
		All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties
2	36														
	37	8,374	8,374					180,255	180,255					180,255	180,255
	38												8,374	8,374	
	39														
	40	770	770												
	41													770	770
	42	91,563	91,563											91,563	91,563
	43														
	44	40,233	40,233			39,916	39,916							80,149	80,149
	45	65,835	65,835											65,835	65,835
	Total	317,278	317,236	2,269	2,269	201,185	147,129	180,828	180,828	29,424	29,424		667,598	613,500	
3	46	10,331	10,331												
	47	8,938	8,938	263	263									10,331	10,331
	48	2,629	2,629											8,675	8,675
	49	263	263					28,917	28,917					2,629	2,629
	50													29,180	29,180
	Total	22,161	22,161	263	263	28,917	28,917							50,815	50,815
	Grand total	542,697	538,193	2,592	2,592	331,699	277,603	210,551	210,551	45,957	45,957		1,036,360	977,799	

COST OF PROPOSED SYSTEM:

- (1) Billing cards with agency code prepunched @ \$1.06/1,000
- (2) K.P. services @ \$14.35/1,000 (EST.)
- (3) WP&C editing cost @ \$833.00 (Page 9)
- (4) EDP processing @ \$218.00

\$ 42.40 (40m @ \$1.06/m)--Prepunched Cards  
574.00 (40m @ estimated \$14.35/m)--K.P.  
833.00 -- WP&C Editing  
218.00 -- EDP Processing

\$1,667.40 -- NORMAL TOTAL MONTHLY COST  
3,000.00 -- One-Time Development Cost (System's Design,  
Programming, etc.)

\$4,667.40 -- ONE-TIME MONTHLY COST

BENEFITS FROM PREVIOUS AND INTERIM SYSTEM:

- (1) Proof-listing to edit requisition entries.
- (2) Calculate various cost and volume factors.
- (3) Generate bills for all agencies.

POSSIBLE BENEFITS FROM PROPOSED SYSTEM:

- (1) Very basic edit (visual scan) performed by WP&C.
- (2) Input cards may be edited during calculation pass thru computer.
- (3) No proof-listing required to double check MS reader errors; errors are "flagged" during keypunching.



Table 22.--Special April Survey. Expanded Segment Listings, Cattle and Calves on Entire Farm, Florida--continued

Dist.	Segment	Cows & heifers 2+		Heifers 1-2		Other cattle and calves		Total cattle		Milk cows		Add. cattle on rent free land		Add. cattle owned by someone else	
		All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties
	36	17,124	17,124			7,931	7,931	25,055	25,055						
	37	1,117	1,117	139	139	837	837	2,093	2,093						
	38														
	39														
	40			103	103	667	667	770	770						
	41														
	42	4,905	4,905	1,635	1,635	3,270	3,270	9,810	9,810						
	43														
	44	25,544	25,544	4,856	4,856	3,888	3,888	34,288	34,288						
	45	9,132	9,132	1,104	1,104	425	425	10,661	10,661						
	Total	89,846	89,846	10,017	10,017	26,287	26,287	126,253	126,253	9,839	9,839				
3	46	526	526	263	263	1,577	1,577	2,366	2,366	526	526				
	47														
	48	789	789	263	263	263	263	1,314	1,314						
	49	6,572	6,572	1,314	1,314	3,943	3,943	11,830	11,830						
	50														
	Total	7,887	7,887	1,840	1,840	5,783	5,783	15,510	15,510	526	526				
	Grand total	128,827	128,827	20,133	20,133	41,279	41,279	190,342	190,342	11,367	11,367				



Table 23.—Special April Survey, Expanded Segment Listings, Farm Labor and Agricultural Services, Florida--continued

Dist. Segment	No. working operators		No. unpaid family		Workers hired & paid by you		Workers hired & paid by crew leader or contractor		Total workers hired		Regular workers	Agr. Services performed	Number on farms	Workers included on farms
	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties		
2 33		124		124										62
34														
35														
36		36		36		36		36		36				
37														
38														
39														
40		103		103										
41														
42						33		33		33		33		
43														
44						3		3		63		63		67
45		85		85		43		43		43		43		
Total	1,034	1,034	42	42	686	686	63	63	749	749	271	271	125	62
3 46	789	789	1,314	1,314	526	526			526	526	526	526		
47	263	263												
48	263	263	263	263										263
49	263	263												
50														
Total	1,578	1,578	1,577	1,577	526	526			526	526	526	526		263
Grand total	5,249	5,249	2,436	2,436	2,582	2,582	879	879	3,461	3,461	1,605	1,605	283	515 2,829 2,920

Table 24.--Special April Survey, Expanded Segment Listings, City Residents, Number of Farms, Land in Tract, Land in Entire Farm, Florida

Dist.	Segment	Number of Farms	Land in Tract			Land in Entire Farm					
			Range & Pasture	Cropland	Total	Regardless of where located			Located in specified counties		
						Range & Pasture	Cropland	Total	Range & Pasture	Cropland	Total
1	2	48	314	2,009	3,454	314	2,009	3,452	314	1,194	2,637
	4	51	879	283	1,161	101	237	783	101	237	783
	5	1	1,256		1,256	358	895	1,253	358	895	1,253
	10	31		125	251		125	251		125	251
	11	31	628		628	628		628	628		628
	13	10		1,256	3,453	1,891	118	3,594	1,250		2,464
	14	3		475	475		139	470		139	470
	15	72		4,835	5,463		1,754	2,669		1,754	2,669
	17	37		2,512	2,512	349	2,162	2,512	349	2,162	2,512
	18	1		1,883	2,512	2,262	301	2,564		301	301
	Total	285	3,077	13,378	21,165	5,903	7,740	18,176	3,000	6,207	13,968
2	25	12	10,150		10,150	10,253		10,253	10,253		10,253
	44	67	11,461		14,281	13,071	847	13,919	13,071	847	13,919
	Total	79	21,611		24,431	23,324	847	24,172	23,324	847	24,172
3	49	262	28,917		28,917	28,917		29,180	28,917		29,180
	Total	262	28,917		28,917	28,917		29,180	28,917		29,180
	Grand Total	626	53,605	13,378	74,533	58,144	8,587	71,528	55,241	7,644	67,320

District	Segment	Cows and calves 2+	Heifers 1 - 2	Other cattle	Total cattle	Milk cows	Free Access		
							Cattle	Acres inside & outside	Acres inside
1	2	94			94				
	4			942	942				
	5								
	10								
	11	94		125	219				
	13								
	14								
	15								
	17								
	18								
	Total	188		1,067	1,255				
2	25	231	57	175	463				
	44	1,214	214	535	1,963	1,270	28,166	10,150	
	Total	1,445	271	710	2,426	1,270	28,166	10,150	
3	49	6,572	1,314	3,943	11,829				
	Total	6,572	1,314	3,943	11,829				
	Grand Total	8,205	1,585	5,720	15,510	1,270	28,166	10,150	

Table 26.--Special April Survey, Expanded Segment Listings, City Residents, Acres Owned, Rented, and Operated, Florida

Dist.	Segment	Acres owned		Acres withdrawn from agriculture		Acres rented from others		Acres managed for others		Acres rented to others		Acres managed for you		Total land operated	
		All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties
1	2	4,430	3,615												
	4	146	146												
	5	1,193	1,193	60	60	118	118	969	969	978	978			3,452	2,637
	10	251	251							332	332			783	753
	11	628	628											1,253	1,253
	13	5,003	3,873											251	251
	14	237	237			255	255			1,664	1,664			628	628
	15	785	785			233	233							3,594	2,464
	17	2,512	2,512			4,710	4,710	942	942	3,768	3,768			470	470
18	2,262												2,669	2,669	
Total		17,447	13,240	60	60	5,316	5,316	2,212	2,212	6,742	6,742			2,512	2,512
2	25	10,253	10,253											2,563	301
	44	13,923	13,923	4	4									18,175	14,963
	Total	24,176	24,176	4	4									10,253	10,253
Total														13,919	13,919
3	49	263	263											24,172	24,172
	Total	263	263			28,917	28,917							29,180	29,180
	Grand Total	41,886	37,679	64	64	34,233	34,233	2,212	2,212	6,742	6,742			71,527	68,320

Table 27.--Special April Survey, Expanded Segment Listings, City Residents, Cattle and Calves on Entire Farm, Florida

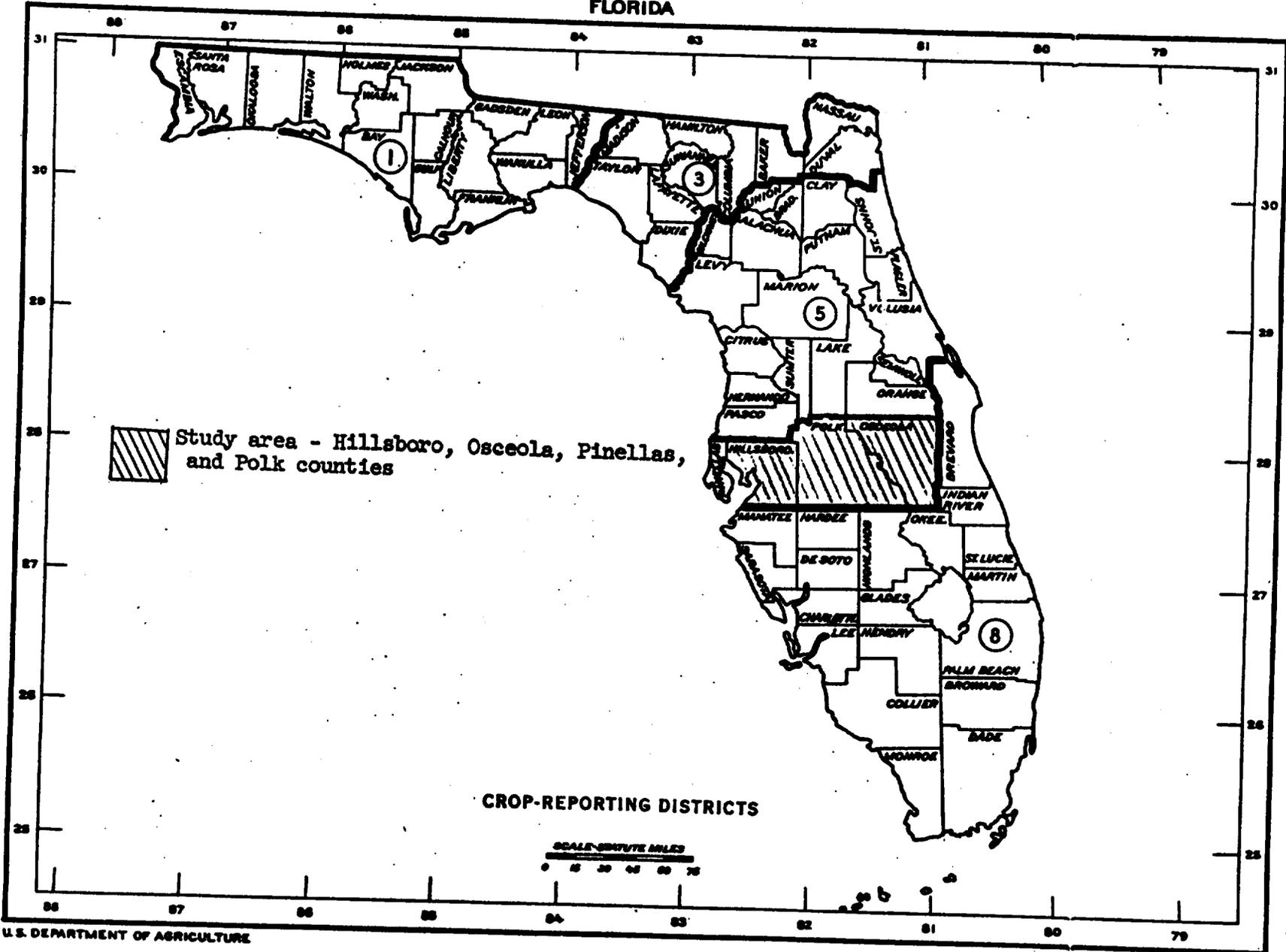
Dist.	Segment	Cows & heifers 2+		Heifers 1-2		Other cattle and calves		Total cattle		Milk cows		Add. cattle on rent free land		Add. cattle owned by someone else	
		All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties	All locations	Specified counties
1	2	94	94					94	94						
	4	9	9	3	3	9	9	21	21						
	5														
	10														
	11	94	94			125	125	219	219						
	13														
	14														
	17	76	76	16	16	63	63	155	155						
	18	23	23			1	1	24	24	1	1	24	24		
		<b>Total</b>	296	296	19	19	198	198	513	513	1	1	24	24	
2	25	231	231	58	58	173	173	462	462						
	44	1,269	1,269	220	220	622	622	2,111	2,111						
	<b>Total</b>	1,500	1,500	278	278	795	795	2,573	2,573						
3	49	6,572	6,572	1,314	1,314	3,943	3,943	11,829	11,829						
	<b>Total</b>	6,572	6,572	1,314	1,314	3,943	3,943	11,829	11,829						
	<b>Grand Total</b>	8,368	8,368	1,611	1,611	4,936	4,936	14,915	14,915	1	1	24	24		

Table 28.--Special April Survey, Expanded Segment Listings, City Residents, Farm Labor and Agricultural Services, Florida

Dist.:	Segment:	No. working operators		No. unpaid family		Workers hired and paid by you		Workers hired & paid by crew leader or contr.		Total hired workers		Regular workers		Agricultural services performed on farms		Agricultural services			
		All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	All	Spec.	Number	Workers	Regular			
		loc's.	co's.	loc's.	co's.	loc's.	co's.	loc's.	co's.	loc's.	co's.	loc's.	co's.	loc's.	co's.	Number	Workers	Regular	
1	2																		
	4	51	51			1	1			1	1								
	5	1	1											24	24				
	10	31	31			30	30			30	30								
	11																		
	13	1	1			16	16			16	16	16	16			1			
	14	3	3			35	35			35	35	35	35						
	15																		
	17	37	37	3	3	49	49			49	49	35	35			31	785	376	
	18	1	1			16	16			16	16	7	7			3	19	19	
	Total	125	125	3	3	147	147			147	147	117	117	2		35	820	402	
2	25	12	12																
	44					3	3	63	63	66	66					31			
	Total	12	12			3	3	63	63	66	66					31			
3	49	263	263																
	Total	263	263																
Grand Total		400	400	3	3	150	150	63	63	213	213	117	117	33		35	820	402	



# FLORIDA



 Study area - Hillsboro, Osceola, Pinellas, and Polk counties

CROP-REPORTING DISTRICTS

SCALE - STATUTE MILES  
0 10 20 30 40 50 70

1968 April Special Enumerative Survey

Time and Mileage Summary

		California			Florida			
		Dist. 15	Dist. 71	50 Seg. Total	Dist. 30	Dist. 74	Ag-Urban	50 Seg. Total
Number Segments	<i>Number</i>	28	22	50	23	22	5	50
Avg. Time: Within Segments	<i>Minutes</i>	839.2	1572.1	1161.7	492.3	329.3	275.0	398.8
	<i>Between Segments</i>	303.5	634.1	449.0	212.8	225.9	220.6	219.3
Avg. Mileage: Within Segments	<i>Miles</i>	52.9	112.4	79.1	38.8	28.2	27.2	33.0
	<i>Between Segments</i>	153.9	320.5	227.2	109.0	114.0	125.0	112.8
Avg. Costs for								
Time: Within Segments	<i>Dollars</i>	33.57	62.88	46.47	19.69	13.17	11.00	15.95
	<i>Between Segments</i>	12.14	25.36	17.96	8.51	9.04	8.82	8.77
Mileage: Within Segments	<i>Dollars</i>	4.76	10.12	7.12	3.49	2.54	2.45	2.97
	<i>Between Segments</i>	13.85	28.85	20.45	9.81	10.26	11.25	10.15
Avg. Total Costs per Segment		64.32	127.21	92.00	41.50	35.01	33.52	37.84
Review and Additional Training	<i>Minutes</i>	---	---	231.1				
	<i>Dollars</i>	---	---	9.24 <sup>1/</sup>				

<sup>1/</sup> Not included in Total Cost per Segment shown above

Joe E. Mullin, Statistician in Charge  
Orlando, Florida

May 2, 1968

C. E. Caudill, Methods Staff, AED

Verification of questionnaires, Special April Study

Upon reviewing the questionnaires from the special 4-county April study a few were found which appear questionable. Initially we had planned to summarize this study rapidly in order that an operational level program could be instigated for this year's June survey. However, I am afraid this was wishful thinking, and we will not be able to summarize the 4-county study for the next three to four weeks. With the additional time it seems desirable to do some follow-up work to assure the quality of our data will provide meaningful results.

Many of the questionnaires probably can be cleaned up by talking to the enumerator, while on others it may be necessary to contact the respondents. There follows a listing of questionnaires with comments pertaining to each.

Segment 44, Tract C - Section A item 3 indicates that the respondent lives outside of segment, but in a town or city, while the questionnaire is completed as if the respondent lives outside of segment and not in a town or city. If Item 3, Section A is completed correctly, then Sections B, D, E, and F should be completed. On the other hand, if item 3 Section A is incorrect, the questionnaire is acceptable if item 3 was checked to indicate the respondent lived outside the segment and not in a town or city. From the information given in Section A, and the address given in item 5 and on the face sheet of the questionnaire, it would appear that respondent may live in a green area of the city of Bartow. Would you verify that he either lives in the green area of Bartow or outside the green area of Bartow, and correct the questionnaire accordingly?

Segment 44, Tract K - According to Section A, item 4 and the address given in item 5, it appears that the respondent may live in the green area of a city or town. Please verify whether the respondent lives in the green area of a city or town, and if so obtain information for Sections B, D, E, and F. If the respondent lives outside a city or town and not in a green section of a town or city, please correct item 4, Section A.

Segment 44, Tract H - According to page 7, Donald Bryan is the foreman and manager of an operation, so he becomes the operator. His address is given on the face page as 805 Campbell, and item 3 Section A indicates that he lives outside the segment and in a town or city. Item 5 indicates that the person in charge of the farm is Stokes, who lives in Lake Wales. However, for the purposes of determining what sections of this questionnaire

need to be completed, Donald Bryan is the operator, and it is his residence which will determine if he qualifies as a resident operator or not. Therefore, if Donald Bryan lives in a city or town in a green area, the entire questionnaire from Section B forward will need to be completed. On the other hand, if Mr. Bryan lives outside the segment and not in a city or town, please correct item 3, Section A.

Segment 44, Tract L - Item 3, Section A indicates the respondent lives outside a segment but in a town or city, while the questionnaire is completed as if he lived outside the segment and not in a town or city. If item 3 is correct, please complete the balance of the questionnaire from Section B forward. However, if the respondent lives outside a segment and not in a town or city, please correct item 3, Section A.

Segment 44, Tract I - See the comment for Segment 44, Tract L. Also, in Section C it appears that the enumerator attempted to do some proration. However, it appears that it was not done correctly. Please verify.

Segment 28, Tract I - Section A, item 2 indicates that question 4 should have been answered rather than question 3. If the headquarters of the fruit company given in item 1 is in the green area of Orlando or any other city or town, then the entire questionnaire from Section B forward should be completed. Please correct item 4 and complete the questionnaire accordingly.

Segment 12, Tract E - Item 4, Section A indicates that the respondent lives in a town or city, while it appears from the editing of Sections D and E that the headquarters of the firm is located outside a segment and not in a town or city. Please check this questionnaire carefully as it is an extremely large operation.

Segment 28, Tract I - Question 2 of Section A indicates that item 4 should have been completed and the balance of the questionnaire completed depending upon the answer to item 4.

Segment 33, Tract M - Item 2 Section A indicates the operation is a corporation and item 4 indicates that the headquarters of the corporation are outside the segment but in a town or city. If this is correct, then the entire questionnaire from Section B forward should have been completed. Also in Section C questions 6 and 7 indicate that the cattle had free access to land both inside and outside the segment. Item 2, the enumerator indicated the answers were estimates. Does it mean that they estimated 100 head of cattle to be on the 120 acres inside the segment, or 100 head of cattle to be both inside and outside the segment on 400 acres? In addition, are the 100 head only cows?

Segment 45 - Tract A - Item 4 Section A indicates the corporation's headquarters are outside the segment but in a town or city. If this is correct, then Sections B, D, E, and F, should have been completed. Please verify the answer to item 4, Section A and complete the questionnaire accordingly.

Segment 32, Tract A - Item 2 of Section A indicates question 4 should have been answered. It is the headquarters of Bronson, Inc. which will determine whether the operation is in a city or not. Enumerator mentioned that Mr. Bronson would be out of town until April 16. Possibly he can be contacted at this time to determine if his headquarters is in a city or town. If it is, complete the questionnaire from Section B forward. However, since the enumerator indicated in Section C that the cattle, while they could range over the entire area, were not in the segment at the time of the original interview, no data should be entered in Section C.

Segment 23, Tract L - Question 3 of Section 2 indicates the individual lives outside the segment and in a town or city. However, Sections D, E, and F are edited out. No address is given to indicate where the person in charge lives so it is difficult for us to determine whether 3 is correct or whether the editing was correct. Please verify or correct item 3 and complete balance of the questionnaire accordingly.

Segment 13, Tract B - Item 4 of Section A indicates the headquarters of the respondent is outside the segment but in a town or city. If this is correct, the questionnaire should be completed from Section B forward. Please verify question 4 and complete accordingly.

Segment 13, Tract A - Same comment as Segment 13 Tract B.

Segment 13, Tract I - Same comment as Segment 13 Tract B.

Notice that some of these segments have Bartow as the address. A substantial portion of Bartow falls within the green area.

Segment 13, Tract R - Same comment as Segment 13, Tract B.

Segment 13, Tract M - Same comment as Segment 13, Tract B.

Segment 13, Tract L - Same comment as Segment 13, Tract B.

Segment 13, Tract O - Same comment as Segment 13, Tract B.

Segment 13, Tract G - Same comment as Segment 13, Tract B.

Segment 13, Tract E - Same comment as Segment 13, Tract B.

Segment 13, Tract C - Item 3 Section A indicates the respondent lives outside the segment but in a town or city. However, Sections D, E, and F have been completed. Please verify question 3 Section A and complete the questionnaire accordingly.

Segment 1, Tract F - This is a residential area with 260 acres which should be sub-sampled to yield 25 to 30 houses that could be screened for resident farm operators. This may be done by subdividing the area into small parts until a part is reached that has 20 to 30 houses, then contact each house within the sub-part. Note on the face of the questionnaires the subsampling fraction used. Complete a questionnaire for each farm operator found and

include the balance of the houses on a separate questionnaire.

Segment 35, Tracts A and B - Questionnaire B looks suspiciously like Mr. Harvey may be a manager for at least part of the Adams Ranch, Inc. So he may qualify as a resident farm operator, in which case the editing was in error. Also, on page 2, question 6 indicates 3490 acres are in the tract while on page 4, question 9(a) indicates about 2,000 acres are in the tract. The interview seems to have been taken rather poorly. Please verify if Mr. Harvey is the resident manager and complete accordingly, obtaining more exact information if possible.

Segment 41, Tract C - Please complete Section A, items 2, 3, and 4, and complete the questionnaire accordingly.

Segment 22, Tract C - Item 3 of Section A indicates the respondent lives outside the segment but in a town or city. Please verify item 3 and complete questionnaire accordingly.

Segment 21, Tract E - The initial thought was that the respondent lived in a green area. However, notes on the questionnaire made by editor indicate that the respondent does not live in a green area but lives in Segment 45. I assume the data copied into the questionnaire came from Segment 45. However, this does not mean that Section C could have been obtained from Segment 45 information. If Mr. Wilson lives outside the segment and not in a city or town, then item 3 of Section A should be corrected. Please have Section C verified, as I note in Section E the respondent does have some cattle and some of these cattle may be on the 310 acres he operates in Segment 21. Please verify.

Segment 15, Tract L - The address of Orlando would seem to be in the green area. Please verify and complete questionnaire accordingly.

Segment 15, Tract W - Item 4 Section A needs to be completed and the balance of the questionnaire filled out accordingly.

Segment 49, Tract B - The enumerator indicated this tract was nothing more than horse stables where horses were boarded. The owner of this operation should be contacted to determine if he lives in a city or town outside the segment as indicated in item 3 Section A. If Item 3 is correct, Sections D, E, and F should be completed. Please verify Section A and complete accordingly.

Segment 25, Tract B - It appears that there is some question as to who the operator of this tract actually is. It could be Mr. Davis or J. M. Blount, who is the caretaker. Could it be that Mr. Blount is the manager of this tract? Please clarify and complete questionnaire accordingly.

Segment 26, Tract A - This farm has land both inside and outside the segment. The 510 acres that the respondent owns is inside the segment and he shows all 220 cattle located inside the segment. In Section D he shows 1280 acres of pasture outside the 4-county area. Are the 220 cattle all that the

respondent has and if so are they all on the 510 acres. Column 2 of Sections E and F should be completed also.

Segment 19, Tract J - It seems as though this farm is outside the segment but inside the green area, in which case it should be prorated into the segment. To do so we need to have item 9 Section B completed. Please verify question 9.

Segment 19, Tract V - Please verify that this individual lives outside the segment and not in a town or city marked in green. Also Items 6 and 11 of Section A do not agree.

Segment 37, Tract B - Item 2 Section A indicates this respondent is an individual. However, the front of the questionnaire gives this respondent's address as 925 South Orange Avenue in Bartow, yet the ranch headquarters is at Cape Hays. According to the instructions, the residence of the respondent determines if he is a resident or not. From information given, it looks as if the respondent may live outside the segment but in a town or city. If so, Section B forward in the questionnaire should be completed. Also in Section C indicate if possible that the cattle numbers given (375) are in fact on the total 1500 acres or just on the 944 which are quoted in item 7.

Segment 37, Tract A - item 4 Section A indicates the headquarters of the Waverly Growers Association is outside a segment but in a town or city. Please verify item 4 Section A and complete the questionnaire accordingly.

Segment 17, Tract X - Please complete items 2, 3, and 4 Section A and the balance of the questionnaire accordingly.

Segment 5, Tract D - Please complete item 9 of Section B.

Segment 5, Tract Q - Item 3 Section A indicates the respondent lives outside the segment but in a town or city. Also item 2 has not been checked. Please complete item 2, verify item 3, and complete the questionnaire accordingly.

Segment 20, Tract A - Item 4, Section A indicates the respondent lives outside the segment but in a town or city. Please verify item 4 Section A and complete questionnaire accordingly.

Segment 18, Tract F - Item 4 Section A indicates the headquarters of the respondent are outside the segment but in a town or city. Please verify item 4 and complete the questionnaire accordingly.

Segment 18, Tract G - Are we sure that the headquarters of Minute Maid are not in a town or city? This may be a subdivision of Minute Maid. Whatever the case, please check this questionnaire and assure us that it is properly handled.

Segment 18, Tract I - Items 2, 3, and 4 of Section A have not been completed. Please complete these items and complete the questionnaire accordingly. Item 6 does not have any acres entered, as does Section G. We need an acreage entry for item 7.

Segment 16, Tract A - are we certain that the headquarters of Minute Maid are located outside a city or town? Will you please verify this and complete the questionnaire accordingly.

Segment 47, Tract L - It appears that this tract is woefully short on information. The questionnaires should be checked out a little more completely.

Segment 48 Tract B - This is a commercial tract of 6.1 acres. However, the plants within this area must be contacted to determine if they have any agricultural activities and then the questionnaire completed accordingly.

Segment 48, Tract E - A 100-acre commercial and residential area. This tract should be broken into commercial and residential areas and sub-sampled accordingly. The residential area should be further broken down into areas of 25-30 houses, and then contact all houses in the sub-sample. The commercial part should also be broken down and sub-sampled. If sub-sampled, be sure to note the subsampling fraction on the face sheet of the questionnaires.

Segment 7, B Tract - The note on the front says "Larramore Trailer Park near Highway 92 counted about 30 head." I am not sure what the 30 head referred to. Was this people, trailers, or cattle? Also, who is the operator of the Trailer Park? We should determine who the operator is and complete the questionnaire accordingly.

Segment 7, Tract G - Items 13 and 14 of Section D must be completed so that this tract can be classified as a resident farm operator or as a resident non-farm operator.

Segment 7, Tract L - I would think it might be well to try to contact this farm again because some of the information given we cannot be very sure of D, E, and F. Obtain another interview if possible.

Segment 7, Tract J - the questionnaire says residential, but there is no indication as to whether anyone in the 35 acres was contacted. If this residential area was not screened, it should be all sub-sampled so that we have approximately 15 or 20 homes to be contacted. If subsampled, please indicate the subsampling fraction on the face sheet of the questionnaire.

Segment 3, Tract F - In this case the Tract of 235 acres of which 40 to 50 is homes and the rest is waste, we should try to divide the houses into about two parts and contact all the houses in one of the sub-sampled parts. In addition, we need to find out who owns the waste land; and obtain a schedule for the owner of the land. He may be a farm operator.

Segment 42, Tract A - Note this was a refusal. However, the enumerator only interviewed Mrs. Dewey Fussell. Possibly it would be worth the effort, since this is a large cattle operation and will affect our survey results, to contact Mr. Dewey Fussell and try to obtain the information. Apparently Mr. Fussell is the manager and should report only that part of the operation which he manages. Possibly we ought to verify whether Dr. King or Mr. Fussell is the operator.

Segment 11, Tract B - Note says unoccupied - 4.5 acres no agriculture. Probably should check this tract to find out who the operator is and complete the interview accordingly.

Segment 11, Tract Y - Sections D, E, and F should be completed on this questionnaire. From the information given we have no idea if this respondent's entire operation lies inside the segment and if the operation qualifies as a farm.

Segment 11, Tract ZZ - Items 2, 3, and 4 Section A need to be completed and the questionnaire completed accordingly.

Segment 11, Tract XX - the 80-acre tract needs to be sub-sampled into plots of 15-20 homes and a portion selected to be screened. Please indicate the subsampling procedure on the face of the questionnaires.

Segment 11, Tracts T and U - This looks like a duplication of tracts. Please verify. If so, destroy the incorrect schedule.

Segment 4, Tract K - Item 2, Section A indicates this is an individual who has a city address. Please verify if this person lives in a green area and complete the questionnaire accordingly. Item 11 of this questionnaire indicates the person operates 27 acres in the tract. Tract 109 has this person entered as the operator under 9B of Section A for 12 acres, and tract 18, item 9B Section A has this person entered as the operator for 7 acres. Are these two operations included in the report of Tract 11?

Segment 4, Tract 133 - Please verify section G Agricultural Services. In Section F, 8 workers were reported but none of these workers appears in Section G.

Segment 4, Tract 127 - Notes on this questionnaire indicate entries should be the same as Number 24. Tract No. 24 is a resident but not a farm operator. Please check out the reference to No. 24.

Segment 4, Tract 121 - Section A gives the operator as a man in military service. The person who cares for this tract should be contacted to see if he might be classified as the operator and a questionnaire filled out accordingly.

Segment 4, Tract 120 - Section G Agricultural Services. This is a citrus nursery and item 4 was answered 'yes' but no workers were entered in item 5. Please check this out and make corrections as necessary.

- Segment 4, Tract 35 - The questionnaire appears to be filled out satisfactorily, but nothing was entered in the tract operator items.
- Segment 4, Tract 36 - The tract operator appears to be in a city. Check this to see if he is in a green area and complete questionnaire accordingly.
- Segment 4, Tract 13 - Were the 40 cattle recorded in item 8, Section E included in items 1 through 7 of that section? Verify and complete questionnaire accordingly.
- Segment 14, Tract F - Item 4, Section A indicates the respondent lives outside the segment but in a town or city. Please verify item 4 Section A and complete questionnaire accordingly.
- Segment 14, Tract E - Same comment as Segment 14, Tract F.
- Segment 14, Tract B - Same comment as Segment 14, Tract F.
- Segment 10, Tract N - Item 3 Section A has not been completed. Please complete Item 3 of Section A and the balance of the questionnaire accordingly.
- Segment 10, Tract L - Item 4 of Section A needs to be completed and the questionnaire filled out accordingly.
- Segment 10, Tract H - Apparently this tract is operated by Minute Maid, Inc. Are we sure that the headquarters of Minute Maid are outside the segment and not in a town or city? Please verify item 4 of Section A and complete the questionnaire accordingly.
- Segment 22, Tract A - Please complete items 8 and 11 in Section A.

UNITED STATES DEPARTMENT OF AGRICULTURE  
 STATISTICAL REPORTING SERVICE  
 BUDGET BUREAU NO. - 40-S-68022  
 APPROVAL EXPIRES - 6-30-68  
 Item Count - 74

State	District	Segment	Tract
EXPANSION FACTOR			

**APRIL 1968 AGRICULTURAL SURVEY**

California and Florida

County: \_\_\_\_\_ Segment Number: \_\_\_\_\_ Tract Code \_\_\_\_\_

A. Does the person in charge live or is the headquarters

Inside the Segment? ( ) -- Begin Interview with Section B

Outside the Segment? ( ) -- Begin Interview with Section A

Enumerator Notes and Appointments:

Name of the person

interviewed \_\_\_\_\_

OFFICE USE		
For Tract Operators living in a town or city		
Item D (8) Col. 1 Acres	Item A-11 or B-9 Acres	Adj. Factor
(1)	(2)	(3)
Item D (8) Col. 2 Acres	Item A-11 or B-9 Acres	Adj. Factor
(1)	(2)	(3)

A.

B.

Enumerator Record of Interview				
Visit	Date	Visited By:	Time	
			Begin	End
1st				
2nd				
3rd				

\_\_\_\_\_  
 Enumerator's  
 Signature

\_\_\_\_\_  
 Supervisor's  
 Signature

Section A - For Land with No Occupied House In Segment

1. What person or firm is in charge of this land inside these red lines?

Draw off on the photograph the tract this person or firm operates in the segment.

2. Is this (name) \_\_\_\_\_ an:
- a. individual ( ) -- (Interview this person)
- b. partnership ( ) -- Who is the Senior Partner? \_\_\_\_\_  
(Interview this person)
- c. corporation ( )
- d. co-operative ( )
- e. other ( ) -- Specify \_\_\_\_\_  
(Name of institution, school, etc.)

If a or b was checked in Item 2:

3. Where does this person live?

( ) In the segment.

Go to Section B and interview this person/

( ) Outside the segment but in a town or city.

Hold for supervisor

( ) Outside the segment and not in a town or city.

Enter address in Item 5 and complete Sections A, C, and G/

If c, d, or e was checked in Item 2:

4. Where is the office (headquarters) of this firm located?

( ) In the segment

( ) Outside the segment but in a town or city.

Hold for Supervisor

( ) Outside the segment and not in a town or city.

Continue and complete only Sections A, C, and G/

5. What is the name of the person in charge of this firm?

Name \_\_\_\_\_  
(Interview this person)

Address \_\_\_\_\_ Telephone \_\_\_\_\_

6. How many acres do you have in this tract? \_\_\_\_\_

7. Are there any occupied dwellings on the acres you manage in this tract?

YES ( ) -- Draw off these houses on the photo and interview the head of household with a separate questionnaire.

NO ( )

8. Are there any fields in this tract operated by someone else such as fields rented for cash, share of the crop, or supervised by a hired manager or management firm?

- ( ) YES
- ( ) NO Skip to Item 11

9. Is the operator of these fields a:

- ( ) cash renter
- ( ) share renter
- ( ) hired manager
- ( ) caretaker service
- ( ) management service
- ( ) other \_\_\_\_\_

Mark off these tracts in blue, assign the next tract code and complete another questionnaire. Skip to Item 9b.

Go to 9a and 9b.

Specify

9a. Does this \_\_\_\_\_ make the day-to-day decisions about the production and marketing of the agricultural products?

- YES ( )
- NO ( )

Probe to identify person who makes day-to-day decisions

9b. What is the name of the (person or firm) \_\_\_\_\_  
Address \_\_\_\_\_

10. How many acres are rented out or managed by (Item 9b name) \_\_\_\_\_ ? \_\_\_\_\_

Draw off the area in the tract rented or managed by others in blue.

11. Then the land you operate in this tract is: (Item 6-10 = 11)..... \_\_\_\_\_

- a. Of the Item 11 \_\_\_\_\_ acres, how many are rangeland and pasture? \_\_\_\_\_
- b. How many of the remaining acres are cropland?..... \_\_\_\_\_
- c. If 11a and b are both zeros: What is the land use at the present time?..... \_\_\_\_\_

12. Does (person-in-charge -- firm -- institution) now or at any time in 1967:

- a. Operate a farm or ranch?.....YES ( ) NO ( )
- b. Grow any crops or have any land grazed by livestock? (Exclude home garden).....YES ( ) NO ( )
- c. Have any livestock or poultry?.....YES ( ) NO ( )
- d. Sell any agricultural products?.....YES ( ) NO ( )  
(Including any government program payments)

Instructions for Item 12: After first YES is checked for any of the Items a, b, c or d, go to Section C and continue interview.  
If all Items a-d are answered NO, go to Section G

Section B - For Occupied House Inside Segment

1. Who is the head of this household?

Name \_\_\_\_\_  
(Interview this person if possible)

Address \_\_\_\_\_ Telephone \_\_\_\_\_

2. Do you own any land inside these red lines?  YES  
 NO
3. Do you rent any land from others in these red lines?  YES  
 NO
4. Do you manage any land in these red lines?  YES  
 NO

Draw off the tract for the land, in Items 2, 3 and 4 answered "YES", in blue on the photograph. If all NO's, draw off house and lot and call it one tract.

5. Is any of this land operated by a corporation or cooperative?

NO  ContinueYES  Name \_\_\_\_\_  
(Interview this firm for this land.  
Draw off separately on photo.)

6. Are there any fields in this tract operated by someone else such as fields rented for cash, share of the crop, or supervised by a hired manager or management firm.

YES  Ask Item 7NO  Probe and then skip to Item 8

7. Is the operator of these fields a:

- cash renter  
 share renter

Mark off these tracts in blue, assign another tract code and complete another questionnaire. Skip to Item 7b.

- hired manager  
 caretaker service  
 management service  
 other \_\_\_\_\_

Go to 7a and 7b

Specify

- 7a. Does this \_\_\_\_\_ make the day-to-day decisions about the production and marketing of the agricultural products?

YES  NO  Probe to identify person who makes day-to-day decisions

- 7b. What is the name of the (person or firm) \_\_\_\_\_
- 
- Address \_\_\_\_\_

8. Does anyone else living in this house operate a farm or work any land?

( ) NO ( ) YES (Complete a questionnaire for this person)

9. How many acres are inside these tract boundaries?..... \_\_\_\_\_

a. Of these \_\_\_\_\_ acres, how many are rangeland and pasture? \_\_\_\_\_

b. How many of the remaining acres are cropland?..... \_\_\_\_\_

c. If zeros in 9a and b: What is the land use at the present time? \_\_\_\_\_

10. Do you (person in charge) now or any time in 1967:

a. Operate a farm or ranch?.....YES ( ) NO ( )

b. Grow any crops or have any land grazed by livestock? (Exclude home gardens).....YES ( ) NO ( )

c. Have any livestock or poultry?.....YES ( ) NO ( )

d. Sell any agricultural products? (Including any government program payments)..YES ( ) NO ( )

Instructions for Item 10: After first YES is checked for any of the Items a, b, c or d, continue interview.  
If all Items a-d are answered NO, go to Section G

SECTION C. CATTLE AND CALVES IN TRACT

1. Are there any CATTLE or CALVES inside these tract boundaries now?

If NO ( ), Go to Enumerator Instructions after Item 7.  
If YES ( ), Continue, including all cattle and calves regardless of ownership.

2. Of the CATTLE and CALVES on this tract now, how many are:
- |  | ANSWER |
|--|--------|
| a. COWS and HEIFERS two years old and over?<br>(Include milk cows and beef cows).....  | .0     |
| b. HEIFERS one year old and under two, being<br>raised for milk cows or beef cows?.....  | .0     |
| c. Other CATTLE and CALVES on this tract now,<br>(Include all steers, bulls, heifers not<br>included above and calves born this year<br>still on the tract)..... | .0     |
3. Then the total CATTLE and CALVES of all ages on this tract now is (the sum of Items 2a through 2c = 3)..... .0

Ask Item 4 if Item 2a has a positive entry

4. How many milk cows, both dry and in milk are on this tract now? (Do not include heifers that have not freshened)..... .0
5. How many of the \_\_\_\_\_ (Item 3) Cattle and Calves have free access to land outside these tract boundaries?..... .0

If "None" go to enumerator instruction at bottom of this page

6. How many acres both inside and outside the segment, do these (Item 5) \_\_\_\_\_ cattle have free access to?..... .0
7. Of these (Item 6) \_\_\_\_\_ acres, how many are inside the segment?..... .0

Enumerator or Supervisor	(1) If operator lives inside segment, complete all Sections.
	(2) If the operator lives within a city Stratum, complete all Sections.
	(3) If the operator lives outside the segment and does not live inside a city or town, skip to Section G.

8. What is the total number of cattle on the (Item 6) \_\_\_\_\_ acres now 1/<sub>2</sub>? .....

1/ California only.



SECTION D. ACRES OWNED, RENTED OR OPERATED

Complete Column 1 first. Then complete Column 2 if all land operated by person-in-charge is NOT located in the specified counties.

Column 1

Column 2

Acres in entire operation regardless of where located.

Acres in specified counties

- |   |  |   |   |   |   |   |
|---|--|---|---|---|---|---|
| 1.  | How many acres do you own? .....   | + | . | + | . | + |
| 2.  | How many of the (Item 1) acres that you OWN are SEPARATE PARCELS of land which are permanently withdrawn from agricultural uses? .....   | - | . | - | . | - |
| (Include non-agricultural parcels such as factory sites, lumber mills, forest land not pastured, etc.)      |  |   |   |   |   |   |
| 3.  | Do you RENT any land FROM OTHERS? Include all land regardless of where located. Include cropland, pastureland and other land rented for cash, standing rent, or a share of the crop. |   |   |   |   |   |
| If YES ( ) <span style="border: 1px solid black; padding: 2px;">GO to Item 4.</span>                        |  |   |   |   |   |   |
| If NO ( ) <span style="border: 1px solid black; padding: 2px;">GO to Item 5.</span>                         |  |   |   |   |   |   |
| 4.  | How many acres do you RENT FROM OTHERS? .....  | + | . | + | . | + |
| 5.  | How many acres do you (or firm) now MANAGE FOR OTHERS? .....   | + | . | + | . | + |
| (A manager makes the day-to-day decisions about the production and marketing of the agricultural products.) |  |   |   |   |   |   |
| 6.  | How many acres do you now RENT TO OTHERS for cash or share of crop? .....  | - | . | - | . | - |
| 7.  | How many acres are managed for you by a person or firm? .....  | - | . | - | . | - |
| 8.  | Then the total land in your entire farm operation is: (Items 1-2+4+5-6-7=8) _____ acres? .....   |   |   |   |   |   |
|   |  |   | . |   |   |   |
|   |  |   | . |   |   |   |

If Respondent agrees, copy this figure in Item 8. Otherwise, review Items 1 to 7 and make necessary corrections. Do not erase!

SECTION D: CONTINUED

9. Do you own or rent any other land not included in Item 8 on which you have livestock?

If YES ( ) Include this land in Items 1 or 4 and 8.

If NO ( ) Continue.

/If Item 8 is "zero", CONCLUDE INTERVIEW/

10. Of the Item 8 \_\_\_\_\_ acres, how many are rangeland and pasture? ..... 

Column 1
. . . . .

Column 2
. . . . .

11. How many of the remaining acres are cropland? ..... 

. . . . .
-----------

. . . . .
-----------

CHECK: Item 10 plus Item 11 must be less than or equal to Item 8.

12. Are all of the \_\_\_\_\_ (Item 8 acres) from Column 1 located in these counties? (Show respondent list of counties.)

If NO ( ) Ask Items 1 - 11 for the farming operation located in these counties and enter in Column 2 and then go to to Item 13.

If YES ( ) Skip Column 2 and go to Item 13.

13. Was the total value of all crops, livestock and livestock products sold from your farm in 1967, plus Government Farm Program payments received in 1967:

CHECK ONLY ONE

a. \$250 or more..... ( )

b. \$ 50 to \$249..... ( )

c. Less than \$50..... ( )

14. What two crops had the largest planted acreage in 1967 on your farm? .....

Crop or Use	Acres

If no crops were grown, list the two principal agricultural uses-hay, pasture conservation reserve, feed grain program.

SECTION E. CATTLE AND CALVES ON ENTIRE FARM

Complete Column 1 first. Then complete Column 2 if all land operated by person-in-charge is NOT located in the specified counties.

1. Are there any CATTLE or CALVES on the (Item D-8) \_\_\_\_\_ acres now? NO ( ), go to Item 7 of this page YES ( ), continue

Column 1 All Cattle and Calves on the Item D-8, Column 1 \_\_\_\_\_ acres.

Column 2 All Cattle and Calves on the Item D-8 Column 2 \_\_\_\_\_ acres. (On land in specified counties)

2. Include all CATTLE and CALVES regardless of ownership on these (Item D-8) \_\_\_\_\_ acres now. How many are:

- a. COWS and HEIFERS two years old and over? (Include milk cows and beef cows? ..... .0 .0
b. HEIFERS one year old and under two, being raised for milk cows or beef cows? ..... .0 .0
c. Other CATTLE and CALVES on these (Item D-8) \_\_\_\_\_ acres now? (Include steers, bulls, heifers under 1 year old and calves born this year still on the farm)? .... .0 .0

3. Then the total number of CATTLE and CALVES of all ages on these (Item D-8) \_\_\_\_\_ acres now is (Sum of 2a through 2c = 3) ..... .0 .0

/Ask Item 4 if Item 2a has a positive entry/

4. How many MILK COWS both dry and in milk are on these (Item D-8) \_\_\_\_\_ acres? Do not include heifers that have not freshened) ..... .0 .0

5. In addition to the Item 3 \_\_\_\_\_ CATTLE and CALVES, do you have any other CATTLE or CALVES now on public grazing lands or grazing on private grazing land rent free? YES ( ) YES ( ) NO ( ) NO ( )

/If YES, ask Item 6./

/If NO, go to Item 7 of this page./

6. How many additional CATTLE and CALVES not included above do you now have on public grazing land or on rent free private grazing land? ..... .0 .0

/Include Item 6 CATTLE and CALVES in Items 2, 3 and 4 above. Do not erase!/  
7. Does anyone else have any CATTLE or CALVES on the (Item D-8) \_\_\_\_\_ acres that have not been included before? YES ( ) YES ( ) NO ( ) NO ( )

/If YES, ask Item 8./

/If NO, go to Section F, Farm Labor/

8. How many additional CATTLE and CALVES owned by someone else are on these (Item D-8) \_\_\_\_\_ acres now? ..... .0 .0

/Include Item 8 CATTLE and CALVES in Items 2, 3 and 4 above. Do not erase!/  
9. How many additional CATTLE and CALVES owned by someone else are on these (Item D-8) \_\_\_\_\_ acres now? ..... .0 .0

SECTION F. FARM LABOR

Complete Column 1 first. Then complete Column 2 if all land operated by person-in-charge is NOT located in the specified counties.

Column 1

Column 2

All workers on the Item D-8, Column 1 \_\_\_\_\_ acres. (On all land operated in State)

All workers on the Item D-8, Column 2 \_\_\_\_\_ acres. (On land in specified counties)

1. Did you (the operator) do one hour or more of agricultural work on the Item D-8 \_\_\_\_\_ acres during the week of March 24-30? .....

YES ( ) NO ( )

YES ( ) NO ( )

2. How many UNPAID FAMILY MEMBERS did at least 15 hours of agricultural work on these acres during the week of March 24-30? ..... (Include partner, if any, and members of partner's family)

No. [ ] .0

[ ] .0

3. Did anyone do agricultural work for pay on these acres during the week of March 24-30? (Include paid family members)

YES ( ) NO ( )

YES ( ) NO ( )

/If NO, go to Item 8/

4. How many workers were hired and paid by you (the farm operator) to do work on these acres during the week of March 24-30? .....

No. [ ] .0

[ ] .0

5. Were any workers hired and paid by a crew leader or labor contractor to do work on these acres during the week of March 24-30?

NO ( ), If YES ( ) how many? ... No.

[ ] .0

[ ] .0

6. Then \_\_\_\_\_ workers did agricultural work on these acres during the week of March 24-30. Is that correct? (Items 4 + 5 = 6) .....

No. [ ] .0

[ ] .0

7. Of the (Item 6) \_\_\_\_\_ workers, how many were regular workers (expected to work more than 6 months on these acres)? .....

No. [ ] .0

[ ] .0

8. Was any type of agricultural work or service performed for your farm on a fee or contract basis during the week of March 24-30?

YES ( ) Continue NO ( ) Go to Section G

9. What type of work or service was performed: \_\_\_\_\_

10. What was the name of the firm that performed this work or service? \_\_\_\_\_

SECTION G: AGRICULTURAL SERVICES

1. Do you operate any type of business other than a farm?

If YES ( ), Continue with Question 2.

If NO ( ), Conclude interview.

2. What type of operations are performed by this firm? (List below each operation)

ENUMERATOR: Compare the operations listed in Column (2) with agricultural services listed on Page 13. Then check below whether the listed operation is to be included in this survey.

(List)	YES	NO

4. For (operations checked YES), did you (your firm) employ workers during the week of March 24 - 30?

If YES ( ), Continue.

If NO ( ), Conclude interview.

5. How many workers were on your payroll for these operations for week of March 24 - 30?.....

ENUMERATOR: Account for all workers on the payroll for this firm who were connected with operations where a YES has been checked in Item 3.

6. Were any of these (Item 5) \_\_\_\_\_ workers included in Section F, Item 4?

YES ( )                      NO ( )

If YES, Explain: \_\_\_\_\_

7. Of the (Item 5) \_\_\_\_\_ workers, how many were regular workers (expected to work more than 6 months for this operation?.....Number

CONCLUDE INTERVIEW

## AGRICULTURAL SERVICES

THIS INCLUDES ESTABLISHMENTS PRIMARILY ENGAGED IN PERFORMING AGRICULTURAL, ANIMAL HUSBANDRY, AND HORTICULTURAL SERVICES ON A FEE OR CONTRACT BASIS.

## COTTON GINNING AND COMPRESSING

INCLUDE ALL COTTON GINNING AND WAREHOUSING COMBINED. ALSO GINNING AND COMPRESSING COTTON.

## GRIST MILLS, INCLUDING CUSTOM FLOUR MILLS

INCLUDE ONLY GRAINS THAT ARE CUSTOM GROUND OR FLOUR, FEED OR GRAIN MILLED ON A CUSTOM BASIS FOR FARMS. DO NOT INCLUDE OPERATIONS OF FLOUR, FEED, OR GRAIN MILLED AS A MANUFACTURING OR RETAIL OPERATION.

## CORN SHELLING, HAY BALING, AND THRESHING SERVICES

INCLUDE CORN SHELLING, HAY BALING, AND THRESHING DONE ON A CONTRACT OR CUSTOM BASIS FOR FARMS. THIS CUSTOM OR CONTRACT WORK MAY INCLUDE BOTH MACHINERY AND LABOR IN THE FEE.

## CONTRACT SORTING, GRADING, AND PACKING OF FRUITS AND VEGETABLES FOR OTHERS

THIS COVERS ESTABLISHMENTS PRIMARILY ENGAGED IN PACKING AND SHIPPING FRUITS AND VEGETABLES ON A CONTRACT BASIS FOR THE GROWER. SUCH ACTIVITIES MAY INCLUDE CONTRACT PICKING, GRADING, SORTING AND OTHER OPERATIONS PREPARATORY TO PACKING AND SHIPPING. THE FRUIT OR VEGETABLES ARE NOT PURCHASED BY THESE ESTABLISHMENTS BUT IS MARKETED BY THE PERSON BY WHOM THIS CONTRACT IS PERFORMED. THOSE ESTABLISHMENTS WHICH PURCHASE THE FRUIT OR VEGETABLES AND PACK AND SHIP ON THEIR OWN ACCOUNT SHOULD NOT BE INCLUDED IN THE SURVEY COVERAGE.

INCLUDE THE FOLLOWING IF ON A CONTRACT BASIS:

PACKAGING FRUITS AND VEGETABLES - CONTRACT  
 PACKING AND SHIPPING FRUITS AND VEGETABLES - CONTRACT  
 POTATO CURING - CONTRACT  
 SORTING, GRADING, AND PACKING - CONTRACT  
 TREE NUT (EDIBLE) PICKING, HULLING, AND SHELLING - CONTRACT

## AGRICULTURAL SERVICES, NOT ELSEWHERE CLASSIFIED

INCLUDE ESTABLISHMENTS PRIMARILY ENGAGED IN PERFORMING ON A CONTRACT BASIS, AGRICULTURAL SERVICES NOT ELSEWHERE CLASSIFIED, SUCH AS CROP DUSTING, FRUIT PICKING OR THINNING, GRAIN CLEANING, HARVESTING AND PLOWING. EXAMPLES ARE LISTED BELOW:

CHEMICAL TREATMENT OF SOIL - CONTRACT  
 CITRUS GROVE CULTIVATION - CONTRACT  
 CROP DUSTING OR SPRAYING - CONTRACT  
 FARM LABOR CONTRACTORS  
 FARM MANAGEMENT SERVICES - CONTRACT  
 GRAIN AND SEED CLEANING - CONTRACT  
 LIME HAULING AND SPREADING - CONTRACT  
 PICKING OF EDIBLE FRUITS, NUTS, AND VEGETABLES - CONTRACT  
 PLOWING AND CULTIVATING - CONTRACT  
 PRE-COOLING OF FRUITS AND VEGETABLES - NOT IN CONNECTION WITH TRANSPORTATION  
 RICE DRYING - CONTRACT  
 WEED CONTROL ON A CONTRACT OR FEE BASIS

## POULTRY HATCHERIES

ESTABLISHMENTS PRIMARILY ENGAGED IN HATCHING POULTRY FOR THEIR OWN POULTRY OPERATION OR ON A CONTRACT BASIS FOR ANOTHER POULTRY RAISER. THIS INCLUDED CHICKENS, TURKEYS, AND OTHER FOWL. EXCLUDE FISH AND FROG HATCHERIES.

## ANIMAL HUSBANDRY SERVICES

INCLUDE ESTABLISHMENTS PRIMARILY ENGAGED IN PERFORMING ON A CONTRACT OR FEE BASIS ANIMAL HUSBANDRY SERVICES, SUCH AS ANIMAL BREEDING, CATTLE FEED LOT OPERATIONS, VETERINARIAN SERVICES, BOARDING AND BREEDING OF LIVESTOCK.

## HORTICULTURAL SERVICES

ESTABLISHMENTS PRIMARILY ENGAGED IN PERFORMING HORTICULTURAL SERVICES, SUCH AS CEMETERY UPKEEP, LANDSCAPE GARDENING, AND TREE PLANTING. ESTABLISHMENTS WHICH COMBINE THE GROWING OF PLANTS WITH LANDSCAPE GARDENING OR LANDSCAPE CONTRACTING ARE CLASSIFIED AS FARM OPERATORS.

ARBORIST SERVICES  
 BERMUDA SPRIGGING SERVICE  
 CEMETERY UPKEEP, INDEPENDENT  
 GARDEN MAINTENANCE  
 GARDEN PLANNING  
 HORTICULTURAL ADVISORY OR COUNSELING SERVICES  
 LANDSCAPE ARCHITECTS

LANDSCAPE CONTRACTING  
 LANDSCAPE GARDENING  
 LAWN MOWING SERVICE  
 LAWN SPRAYING SERVICE  
 MOWING HIGHWAY CENTER STRIPS AND EDGES  
 TREE PLANTING, PRUNING, BRACING, SPRAYING, & SURGERY  
 TREE TRIMMING FOR PUBLIC UTILITY LINES

## INTERVIEWERS MANUAL

1968 APRIL SPECIAL SURVEY - Florida and California

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BASIC DEFINITIONS

- A. SEGMENT - Small areas of land into which the total land area of the designated counties has been divided.
- B. SAMPLE - The small areas of land or segments that have been selected at random to be included in this Survey. Each area or segment to be included has been outlined in red on the county highway maps and aerial photographs which you are supplied. Each segment had a chance to be selected; therefore, each area to be visited represents many similar areas.
- C. TRACT - The area of land inside the segment which is under one management. Each tract will be outlined in blue and assigned a code letter on the aerial photograph.
- D. FARM-- An area or areas of land both inside and outside of the segment boundaries on which there were crops, livestock, poultry, or some sales of agricultural products at some time in 1967 or 1968.
- E. SCREENING - The process of outlining each tract on the aerial photograph, assigning this tract a code, determining who is responsible for the management of the tract, and asking several questions to determine if this person 1) lives inside the segment, or outside the segment but in a city, or outside the segment and not in the city, 2) qualifies as the operator of an agricultural tract, and 3) operates a farm either inside or outside the segment boundaries.
- F. FIELD - A continuous area of land inside a tract which is devoted to one crop or land use.
- G. MANAGEMENT - A person or firm making the day-to-day decisions about the production and marketing of the agricultural products would be the management.

### III. PROCEDURE FOR ENUMERATING

#### A. Organize Your Materials

The following materials will be given to you at the State training school:

1. State Highway map.
2. County Highway maps showing segment locations in red and quadrangle maps with NOC areas outlined in green.
3. Aerial photographs with segment areas outlined in red ink.
4. Masonite board or substitute to hold photos (including large clips or rubber bands for holding photo to the board).
5. Clipboard to hold questionnaire or a large clip to hold questionnaire to photo board.
6. A small ruler for measuring distances on the photo and map.
7. Pencils--red and blue lead for marking on photo and black lead for recording information on questionnaires.
8. Segment working kit for each segment. This kit will consist of a large envelope with the State Statistician's address on the front and the segment number and county recorded on the back. Several questionnaires are included in each envelope.
9. One kit containing extra questionnaires to be added to the segment working kits as needed.
10. One kit containing all necessary administrative forms.
  - a. Four copies of CEF-201.
  - b. Motor Vehicle Accident Kit, Form OMS-92 containing:

1. Forms SF-91, AD-278 and SF-94 (2 copies)
2. Form CA-1, Notice of Injury

11. Survey Enumerators Handbook

12. Identification Card

B. Plan Your Course of Action

Before beginning your field enumeration, mark on a State highway map the location of your home and the location of all segments you are to enumerate. Use this map to plan your daily route of travel. This will minimize your duplication of mileage.

C. Drive to Segment

Using the State highway map, county map and aerial photo, drive to the segment.

Upon arriving at the segment boundary, orient your county highway map and photo with ground features. Identify your location on the photo from ground landmarks such as roads, ditches, streams, trees, and buildings.

Drive around the segment, if possible, to verify the boundaries of the segment with features shown on the aerial photo.

Become familiar with the segment boundaries and with the landmarks as these will be helpful in talking with the farmer about the boundaries of the land he operates.

Drive to a residence located inside the segment and begin interview on page 4. For area of land within the segment boundaries having no occupied residence, determine who operates the land and begin interview on page 2.

Start the Interview

Introduce yourself and briefly tell the respondent why you are there.

Ask the respondent to show you on the photo the boundaries of land he now operates inside the segment. On the photo, draw in tract boundaries with a

blue pencil and assign a letter code for identification. (A tract is an area of land inside this segment which is under control of one management.)

If an operator has two or more separate parcels of land in the segment (in other words, his land is separated by pieces of land operated by other people in the segment), consider all separate parcels as one tract and assign only one letter to the operator. Print the same letter in each separate part of the operator's tract on the photo.

If the respondent is well informed, ask about other tract operators and where they can be contacted. Using the photo, ask him who operates the land adjoining his farm. If some adjoining land inside the segment is not farmland, ask who the manager is. It must be accounted for on your photo and a Questionnaire completed.

Continue to ask about other tract operators in the segment. Find out where they live so you can contact them. You will find that some respondents can tell you about every farm operator and all farm boundaries in the segment, while others can provide very little information about other farms.

E. Call Back Procedures.

It is important that you attempt to interview the operator of each tract. Generally you will be able to contact the operator and complete the interview on your first visit, but occasionally you may need to make several visits. If after several visits you have been unable to complete the interview, check with your supervisor.

NOTES:

SECTION A: Land With No Occupied House in Segment

This section will be used for each tract of land within the segment having No Occupied House on the tract. (A tract is an area of land inside the segment which is under one management.)

Item 1 - What person or firm is in charge of this land inside these red lines? Enter the name of the person or firm in charge of this tract of land having no occupied house. On the photo, draw in the boundaries of this tract in Blue.

Note: Enumeration Instruction Box following item 1.

Item 2 - Is this (name) \_\_\_\_\_ an:

a. Individual ( ) -- (Interview this person)

b. Partnership ( ) -- Who is the Senior Partner \_\_\_\_\_  
Interview this person

c. Corporation ( )

d. Cooperative ( )

e. Other ( ) Specify \_\_\_\_\_  
(Name of institution, school, etc.)

This question is to make sure that the management of this tract is properly classified, and that the information obtained in the interview is from the best informed person or persons.

The following definitions will be used to properly classify the management of the tract:

DEFINITIONS

Individual: A tract of land managed independently by one person. This person being the one who organizes, manages, and assumes the risks of the agricultural enterprise associated with this tract of land.

Partnership: A tract of land managed by two or more persons associated as joint principals in the management of the entire agricultural venture associated with this tract of land.

Corporation: A tract of land managed by an organization formed and authorized by law and endowed with various rights and duties. This organization either in entirety or through an authorized individual or groups of individuals manages the entire agricultural operation associated with this tract of land.

Co-operative: A tract of land managed by; an enterprise that is owned and operated for the benefit of those using its services. This organization through a manager or some other designated authority manages the entire agricultural operation associated with this tract of land.

Other: A tract of land managed by an individual or a group of individuals not defined in one of the above.

If a or b was checked in item 2:

Item 3 - Where does this person live?

( ) In the segment.

/Go to Section B and interview this person/

( ) Outside the segment but in a town or city.

/Hold for supervisor/

( ) Outside the segment and not in a town or city.

/Enter address in Item 5 and complete Sections A, C and G/

This question is to determine which sections of the questionnaire will be completed for this tract. Each answer has "Enumerator Instructions" in the enclosed block directly under the answers.

In the Segment means within the area outlined in red on the area photo.

Outside the Segment but in a Town or City means outside the area outlined in red on the area photo, but within the area outlined in green on the Quadrangle map.

Outside the Segment and Not in a Town or City means outside of both the outlined red and green areas on the area photo, county Highway map; and Quadrangle map.

If c, d, or e was checked in item 2:

Item 4 - Where is the office (headquarters) of this firm located?

( ) In the segment.

/Continue interview/

( ) Outside the segment but in a town or city.

/Hold for supervisor/

( ) Outside the segment and not in a town or city.

/Continue and complete only Sections A, C and G/

This question is to determine the location of the headquarters of this firm. The headquarters being the administrative center of an enterprise. In the more complex operations having several Administrative Headquarters, payroll locations should be the determining factor.

Item 5 - What is the name of the person in charge of this firm?

Name \_\_\_\_\_  
(Interview this person)

Address \_\_\_\_\_ Telephone \_\_\_\_\_

Enter the name, address, and telephone number of this person-in-charge of this firm. This could be the owner, resident manager, etc.

The name obtained in item 5 should be the person contacted to interview or to obtain permission to interview some other employee of the firm.

Item 6 - How many acres do you have in this tract? \_\_\_\_\_

Show the respondent the aerial photograph and outline in blue all land within the segment boundaries (red outline) operated by this firm. Enter the total acres for this tract in the corresponding answer box.

Item 7 - Are there any occupied dwellings on the acres you manage in this tract?

YES ( )

NO ( )

If respondent answers yes, mark off this dwelling in blue pencil on the photo as a separate tract, assign the next tract code to it and complete another questionnaire for the head of this household.

Item 8 - Are there any fields in this tract operated by someone else? (Fields rented for cash, share of the crops, or supervised by a hired manager or management firm)

YES ( )

NO ( ) (skip to item 11)

This question is to make sure that a separate tract code is assigned to each person or management that operates any land in the segment. If yes is checked, continue to item 9. If no is checked, skip to item 11.

Item 9 - Is the operation of these fields by a:

cash renter      Mark off these tracts in blue, assign the next tract code and complete another questionnaire. (skip to item 10)

share renter

hired manager

9a. Does this \_\_\_\_\_ make the day-to-day decisions about the production and marketing of the agricultural products?

caretaker service

NO  Probe and skip to item 10.

management service

YES  Mark off this tract in blue and complete another questionnaire.

other \_\_\_\_\_ specify

9b. What is the name of the (person or firm) \_\_\_\_\_

Address \_\_\_\_\_

Items 9, 9a, and 9b are designed to determine the person-in-charge of the tract corresponding to a yes checked in item 8.

**Note:** If 9a is checked "No", ask a few probing questions to verify who makes the day-to-day decisions for this enterprise.

Item 10 - How many acres are rented out or managed by (item 9 name)?

Draw off the area in the tract rented or managed by others (yes in item 9a)

Enter the total acres rented out or managed by the (item 9 name). These acres should be outlined in blue on the aerial photograph and another tract code assigned and questionnaire completed.

Item 11 - Then the land you operate in this tract is: (Item 6-10=Item 11)

- a. Of the item 11 \_\_\_\_\_ acres, how many are range land and pasture? \_\_\_\_\_
- b. How many of the remaining acres are crop land? \_\_\_\_\_
- c. If 11a and b are both zeros: What is the land use at the present time? \_\_\_\_\_

Record in 11a, the acres both wooded and cleared that are used as pasture and rangeland. This should include permanent grazing land or cropland used only for grazing. Do Not include cropland that was or will be harvested and then used for range or pasture.

Record in 11b the acres used for cropland. Cropland includes any acreage from which crops were or will be harvested during 1968. Include wild and tame hayland and the acres of crops that were intended for harvest but were abandoned. Record the acres only once if two or more crops were or will be harvested from the same land.

**INCLUDE the following cropland for harvest:**

- a) Acres on which crops were or will be planted for harvest in 1968. Include land planted to crops in the fall of 1967 for harvest in 1968.
- b) Include acres from which hay, including wild hay, was or will be cut in 1968.
- c) Acres from which a crop was or will be harvested even if the crop was considered (or expected to be) a partial failure and the yield was abnormally low.
- d) Acres in bearing and non-bearing fruit, nuts and grapes. Include acres on which the 1968 blossoms but not the trees were killed by a freeze.

Item 11c will be asked only if 11a and b are both zeros. Enter a brief description of land use such as residence, poultry house, packing house, etc.

Item 12 - Does (person-in-charge -- firm -- institution) now or at any time in 1967:

a. Operate a farm or ranch? YES ( ) NO ( )

b. Grow any crops or have any land grazed by livestock? (exclude home garden) YES ( ) NO ( )

c. Have any livestock or poultry YES ( ) NO ( )

d. Sell any agricultural products (including any government program payments) YES ( ) NO ( )

Instructions for item 12: After first yes is checked for any of the items a, b, c, or d, continue interview with Section C. If all items a-d are answered no, go to Section G

This question is designed to determine if the management of this tract is a farm operator. After the first "yes" is check in a-d, continue interview with Section C.

Item 12a - Operate a farm or ranch?

This farm or ranch can be either inside or outside the segment boundaries. Check "YES" without asking the question if it is obvious that the management operates a farm. IF YOU CHECK "YES" IN item 12a, skip to Section C.

Item 12b - Grow any crops or have any land grazed by livestock?  
(Exclude home garden)

Check "YES" if the respondent grew any crops or grazed pasture in 1967 or 1968. Include crops to be produced or pasture to be grazed from now through December 31. These crops or pasture can be either inside or outside the segment boundaries. To qualify as growing a crop, the respondent must have control of the crop. That is, he must make the decisions on planting, caring for and harvesting the crop, etc. Do not include the home garden. Check, "YES" without asking the question if it is obvious that the person in charge of the tract has control of crops grown or pasture grazed. If "YES" is checked, skip to Section C.